

**List of Immunohistochemistry/In-situ Hybridisation tests included in the
UKAS Flexible Scope of Accreditation for Advanced Diagnostics
(Histopathology, St Thomas')**

UKAS No: 9323

Test (antibody/probe)	Use	Platform	Date included in flexible scope
AE1/AE3	Pan-keratin (Simple & complex epithelia)	Bond III	30/06/2022
AFP	Expression of Alphaphetoprotein	Bond III	30/06/2022
ALK	Anaplastic lymphoma kinase (Human p80 protein)	Bond III	30/06/2022
Androgen Receptor	Acinar, myoepithelial, stromal and neoplastic epithelial cells	Bond III	30/06/2022
BCG	<i>M. tuberculosis</i>	Bond III	30/06/2022
B-Catenin	B-catenin protein, binds to cytoplasmic tail of E-cadherin	Bond III	30/06/2022
bHCG	Human Chorionic Gonadotropin (demonstration of trophoblastic elements, e.g. in germ cell tumours)	Bond III	30/06/2022
BCL-2	Bcl-oncoprotein (mantle zone B lymphocytes & interfollicular T lymphocytes and other rare tumour types)	Bond III	30/06/2022
BCL-6	Bcl6 protein (germinal centre B lymphocytes)	Bond III	30/06/2022
BerEp4	Cell membrane glycoproteins expressed on healthy epithelia and in various carcinomas	Bond III	30/06/2022
CA125	CA125 (detection of Cancer antigen 125)	Bond III	30/06/2022
CA19.9	Ca19.9 (Sialyl-Lewis A, marker for the detection of pancreatic cancer)	Bond III	30/06/2022
Calretinin	Calretinin (detection of calcium binding protein structurally related to S100 and inhibin)	Bond III	30/06/2022
CD10	CD10 (Normal, early progenitor lymphoid cells; B lymphocytes in germinal centres)	Bond III	30/06/2022
CD117	CD117 (Stem cell factor receptor, proto-oncogene activated in GIST tumors)	Bond III	30/06/2022
CD117 G	Human c-kit oncoprotein – mast cell disease/neoplasms	Bond III	30/06/2022

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CD123	CD123 (Interleukin 3 receptor a-chain in Monocytes; neutrophils; basophils)	Bond III	30/06/2022
CD14	CD14 (monocyte differentiation antigen)	Bond III	30/06/2022
CD19	CD19 (Common B cell marker, expressed by B cells and follicular dendritic cells)	Bond III	30/06/2022
CD1a	CD1a (MHC class 1 related cell surface glycoprotein in cortical thymocytes; Langerhan's cells; interdigitating reticulum cells)	Bond III	30/06/2022
CD2	CD2 (circulating T lymphocytes)	Bond III	30/06/2022
CD20	CD20 (B lymphocytes)	Bond III	30/06/2022
CD21	CD21 (Follicular dendritic cells)	Bond III	30/06/2022
CD23	CD23 (Key molecule for B cell activation and growth)	Bond III	30/06/2022
CD25	CD25 (Activated T lymphocytes; NK cells)	Bond III	30/06/2022
CD3	CD3 (T lymphocytes; helper/inducer T lymphocytes)	Bond III	30/06/2022
CD30	CD30 (Hodgkin's & Reed-Sternberg cells)	Bond III	30/06/2022
CD31	CD31 (Endothelial cells; plasma cells; activated B & T lymphocytes)	Bond III	30/06/2022
CD33	CD33 (Classic myeloid antigen)	Bond III	30/06/2022
CD34	CD34 (Haemopoietic precursor cells; endothelial cells; fibroblasts; other cell types in various solid tumours)	Bond III	30/06/2022
CD38	CD38 (Multifunctional enzyme, identify plasma cells and plasmablastic differentiation)	Bond III	30/06/2022
CD4	CD4 (Helper/inducer T lymphocytes)	Bond III	30/06/2022
CD43	CD43 (T lymphocytes; myeloid lineage cells)	Bond III	30/06/2022
CD45	CD45 (T & B lymphocytes)	Bond III	30/06/2022
CD5	CD5 (Germinal centre T lymphocytes; B lymphocyte subset)	Bond III	30/06/2022
CD54	CD54 (B and T cells and B cell precursors, monocytes, osteoclasts, endothelial cells and epithelial cells)	Bond III	30/06/2022

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CD56	CD56 (Peripheral nerves; NK cells; neuroendocrine differentiation)	Bond III	30/06/2022
CD57	CD57 (Glycoprotein with cell adhesion functions. Marker of NK cells and neuroendocrine tumors)	Bond III	30/06/2022
CD61	CD61 (Identify platelets, megakaryocytes and platelet thrombi)	Bond III	30/06/2022
CD68	CD68 (Macrophages; monocytes; granulocytes)	Bond III	30/06/2022
CD7	CD7 (Peripheral blood T lymphocytes; NK cells; thymocytes)	Bond III	30/06/2022
CD75	CD75 (follicular center cell lymphoma; identify Reed-Sternberg cells)	Bond III	30/06/2022
CD79a	CD79a (Normal & neoplastic B lymphocytes)	Bond III	30/06/2022
CD8	CD8 (Suppressor/cytotoxic T lymphocytes)	Bond III	30/06/2022
CEA monoclonal	Carcino-embryonic antigen (Adenocarcinomas, epithelial cells of the glandular lumen)	Bond III	30/06/2022
Chromogranin A	Chromogranin A (neuroendocrine cells and tumours)	Bond III	30/06/2022
CK14	Cytokeratin 14 (Hair follicles, basal keratinocytes in stratified epithelium (various tissue/organs), myoepithelial cells (breast and salivary gland), thyroid oncocytes)	Bond III	30/06/2022
CK19	Cytokeratin 19 (epithelia)	Bond III	30/06/2022
CK20	Cytokeratin 20 (GI epithelia)	Bond III	30/06/2022
CK34Be12	Cytokeratine 34Be12 (High molecular weight keratin relatively specific for prostate basal cells)	Bond III	30/06/2022
CK5	Cytokeratins 5 (squamous epithelium)	Bond III	30/06/2022
CK7	Cytokeratin 7 (simple, glandular & transitional epithelia)	Bond III	30/06/2022
CMV	Cytomegalovirus viral inclusions	Bond III	30/06/2022
DBA44	DBA44 (B cell centroblastic cell line)	Bond III	30/06/2022
Desmin	Desmin (Smooth & striated muscle cells)	Bond III	30/06/2022
DOG-1	DOG-1 (interstitial cells of Cajal in GI tract, GIST)	Bond III	30/06/2022

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EMA	Epithelial membrane antigen (Glandular & ductal epithelia, perineurium; other cell types in various tumours)	Bond III	30/06/2022
GCDFP-15	Gross cystic disease fluid protein (apocrine cells)	Bond III	30/06/2022
GFAP	Glial fibrillary acidic protein (neural cells)	Bond III	30/06/2022
Glycophorin A	Glycophorin A (Erythroid cells)	Bond III	30/06/2022
Haemoglobin A	Erythroid cells	Bond III	30/06/2022
HMB45	Human melanoma black 45 antigen (Activated melanocytes; melanocytic tumours)	Bond III	30/06/2022
HSV1	HSV1 (detection of Herpes virus simplex type 1)	Bond III	30/06/2022
HSV2	HSV2 (detection of Herpes virus simplex type 2)	Bond III	30/06/2022
IgA	IgA (plasma cells and related lymphoid cells containing IgA)	Bond III	30/06/2022
IgD	IgD (plasma cells and related lymphoid cells containing IgD)	Bond III	30/06/2022
IgG	IgG (plasma cells and related lymphoid cells containing IgG)	Bond III	30/06/2022
IgG4	IgG4 (plasma cells and related lymphoid cells containing IgG4)	Bond III	30/06/2022
IgM	IgM (plasma cells and related lymphoid cells containing IgM)	Bond III	30/06/2022
Inhibin	Inhibin A (Sertoli cells (diffuse and strong), granulosa cells, prostate, brain, adrenal)	Bond III	30/06/2022
Kappa	Kappa light chains (plasma cells and related lymphoid cells containing Kappa light chains)	Bond III	30/06/2022
Lambda	Lambda light chains (plasma cells and related lymphoid cells containing Lambda light chains)	Bond III	30/06/2022
Laminin	Laminin (basement membranes)	Bond III	30/06/2022
Mast Cell	mast Cell (recognition of very atypical or immature mast cells (MC) in mast cell leukaemia, cutaneous mastocytosis)	Bond III	30/06/2022
Melan A	Melan A (MART-1) differentiation antigen (Normal, activated & neoplastic melanocytes)	Bond III	30/06/2022

Test (antibody/probe)	Use	Platform	Date included in flexible scope
MIB1/KI-67	Ki-67 nuclear antigen (proliferating cells; cells in cycle)	Bond III	30/06/2022
MLH1	MLH-1 mismatch repair protein	Bond III	30/06/2022
MPO	MPO (myeloperoxidase in Neutrophils, eosinophils, monocytes)	Bond III	30/06/2022
MSH2	MSH-2 mismatch repair protein	Bond III	30/06/2022
MSH6	MSH6 (MSH6 mismatch repair protein in colorectal carcinomas)	Bond III	30/06/2022
MUM-1	Multiple myeloma oncogene-1	Bond III	30/06/2022
Myoglobin	Myoglobin (Striated muscle (cardiac, skeletal))	Bond III	30/06/2022
Napsin A	Napsin A, expressed in type II pneumocytes, kidney and foetal lung	Bond III	30/06/2022
OCT3/4	Pluripotent germ cell tumours	Bond III	30/06/2022
p24	p24 capsid protein of HIV virus	Bond III	30/06/2022
p504s	p504s (expression of Alpha Methyl Acyl Coenzyme A Racemase)	Bond III	30/06/2022
p53	p53 tumour suppressor protein (carcinomas; many neoplasms and normal cells)	Bond III	30/06/2022
p63	p63 (normal proliferating cells; poorly differentiated squamous cell carcinoma, basal cells; abluminal cells)	Bond III	30/06/2022
PANK (MNF116)	Cytokeratins 5, 6, 8, 17, 19 (all epithelia)	Bond III	30/06/2022
PAX5	Pax 5 (Detection of pre-B cells)	Bond III	30/06/2022
PD1	Programmed cell death protein 1 (systemic lupus erythematosus, T-cells in germinal centres, mantle zones and interfollicular zones)	Bond III	30/06/2022
Perforin	Perforin (detection of perforin in cytotoxic T-lymphocytes)	Bond III	30/06/2022
PLAP	PLAP (Placental Alkaline Phosphatase in germ cell tumors, particularly seminomas; also breast, lung, ovarian carcinomas)	Bond III	30/06/2022
PMS2	PMS2 (PMS2 mismatch repair protein in colorectal carcinomas)	Bond III	30/06/2022

Test (antibody/probe)	Use	Platform	Date included in flexible scope
PR	Progesterone receptor (cellular progesterone receptor expression)	Bond III	30/06/2022
PSA	PSA (detection of Prostate specific antigen)	Bond III	30/06/2022
SDHB	SDHB (detection of Succinate dehydrogenase iron-sulfur subunit)	Bond III	30/06/2023
SMA	Smooth muscle actin (smooth muscle, myoepithelial and other contractile cells)	Bond III	01/10/2023
Spirochete	Spirochete (Detection of Treponema pallidum/Spirochete)	Bond III	30/06/2022
Synaptophysin	Synaptophysin (Synaptic vesicle protein (neurones; neuroendocrine cells)	Bond III	30/06/2022
TCR BFI	TCR (a/b TCR bearing T lymphocytes)	Bond III	30/06/2022
TdT	TdT (detection of Terminal deoxynucleotidyl transferase in thymic and small number of bone marrow cortical lymphocytes)	Bond III	30/06/2022
TIA1	TIA-1 protein (cytolytic lymphocytes, cytotoxic T-cells)	Bond III	30/06/2022
Thyroglobulin	Thyroglobulin protein (thyroid follicles)	Bond III	30/06/2022
TRAP	TRAP (detection of Tartrate resistant acid phosphatase in Hairy cell leukaemia)	Bond III	30/06/2022
Toxoplasma	Marker of toxoplasma infected cells	Bond III	01/10/2023
Vimentin	Vimentin intermediate filament	Bond III	30/06/2022
WT1	WT1 (detection of WT1 expression)	Bond III	30/06/2022
EBER-ISH	EBER (Detection of Epstein Barr Virus RNA)	Bond III	30/06/2022
KAPPA-ISH	Kappa (detection of Kappa RNA in B cells)	Bond III	30/06/2022
LAMBDA-ISH	Lambda (detection of Lambda RNA in B cells)	Bond III	30/06/2022
Adenovirus	Adenovirus (detection of adenovirus)	Ventana Ultra	30/06/2022
ALK Lung (D5F3)	Anaplastic lymphoma kinase in NSCLC	Ventana Ultra	30/06/2022
Amyloid A	Amyloid A (amyloid A in tissues, and aids in the identification and classification of AA-amyloidosis)	Ventana Ultra	30/06/2022

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BK Virus	BKV (detection of BK virus)	Ventana Ultra	30/06/2022
C1q (Renal)	Complement 1q deposits in tissue	Ventana Ultra	21/03/2024
C3 (Renal)	Complement 3 deposits in tissue	Ventana Ultra	01/10/2023
C4D (Renal)	C4D (special tissue marker for humoral immunity)	Ventana Ultra	30/06/2022
CD163	CD163 (Monocytes/macrophages and Histiocytic sarcoma)	Ventana Ultra	30/06/2022
CD99	CD99 (T lymphocytes; islet cells; endothelial cells, Ewing's sarcoma; other rare spindle cell tumours)	Ventana Ultra	30/06/2022
Collagen IV	Basement membrane	Ventana Ultra	30/06/2022
CA IX	Carbonic Anhydrase IX – Clear renal cell carcinoma and clear cell papillary renal cell carcinoma	Ventana Ultra	30/06/2022
Calcitonin	Calcitonin (detection of calcitonin molecules in the parafollicular C cells)	Ventana Ultra	30/06/2022
Caldesmon	H-caldesmon (vascular & peripheral smooth muscle; other contractile cells)	Ventana Ultra	30/06/2022
Cyclin D1	Mantle cell lymphoma	Ventana Ultra	30/06/2022
E-cadherin	E-cadherin (E-cadherin positive cells in normal and neoplastic tissues)	Ventana Ultra	30/06/2022
ER	Estrogen receptor (cellular estrogen receptor expression)	Ventana Ultra	01/10/2023
Fibrinogen (Renal)	Fibrinogen deposits in renal biopsies	Ventana Ultra	21/03/2024
GATA-3	GATA binding protein, transcription factor in cell preparation	Ventana Ultra	30/06/2022
HBME-1	HBME (Marker of mesothelial cells)	Ventana Ultra	30/06/2022
HER-2 - Breast	HER-2 (HER-2 positive cells in breast and gastric neoplastic tissues)	Ventana Ultra	30/06/2022
HER-2 - Gastric	HER-2 (HER-2 positive cells in breast and gastric neoplastic tissues)	Ventana Ultra	30/06/2022
HHV8	Kaposi's sarcoma	Ventana Ultra	30/06/2022

Test (antibody/probe)	Use	Platform	Date included in flexible scope
HSA	Benign and malignant liver cells	Ventana Ultra	30/06/2022
IgA (Renal)	Immunoglobulin deposits of IgA in renal tissue	Ventana Ultra	01/10/2023
IgG (Renal)	Immunoglobulin deposits of IgG in renal tissue	Ventana Ultra	01/10/2023
IgM (Renal)	Immunoglobulin deposits of IgM in renal tissue	Ventana Ultra	01/10/2023
ICOS	ICOS (Inducible T cell costimulator (CD278))	Ventana Ultra	30/06/2022
Kappa (Renal)	Plasma cells and related lymphoid cells containing Kappa light chains	Ventana Ultra	01/10/2023
Lambda (Renal)	Plasma cells and related lymphoid cells containing Lambda light chains	Ventana Ultra	01/10/2023
Neurofilament (2F11)	Neuronal intermediate filament	Ventana Ultra	30/06/2022
NKX3.1	NKX3.1 gene expression in prostatic adenocarcinoma	Ventana Ultra	30/06/2022
Parvovirus	Parvovirus (detection of Parvovirus)	Ventana Ultra	30/06/2022
PAX8	Pax 8 (detection of the paired box (PAX) family of transcription factor 8)	Ventana Ultra	30/06/2022
PDL-1	PD-L1 Protein in non-small cell lung cancers	Ventana Ultra	30/06/2022
p16	p16INK4a oncoprotein (normal, activated and neoplastic melanocytes)	Ventana Ultra	30/06/2022
p40	P40 protein in squamous cell carcinomas (lung, urothelial, head and neck)	Ventana Ultra	30/06/2022
p57	Cytotrophoblast, Syncytiotrophoblasts, Stromal cells	Ventana Ultra	30/06/2022
Podoplanin	Transmembrane mucoprotein	Ventana Ultra	30/06/2022
PRAP	Prolactin receptor associated protein	Ventana Ultra	30/06/2022
RCC	Renal Cell Carcinoma Glycoprotein	Ventana Ultra	30/06/2022
ROS1	ROS1 fusion proteins (NSCLC)	Ventana Ultra	30/06/2022
S100	S100 protein (Normal and neoplastic melanocytes; macrophages; adipocytes; nerve fibres; many tumour types)	Ventana Ultra	01/10/2023
SALL-4	Malignant germ cell tumours	Ventana Ultra	30/06/2022
SMMHC	SMMHC (detection of Smooth muscle myosin heavy chain)	Ventana Ultra	30/06/2022

Test (antibody/probe)	Use	Platform	Date included in flexible scope
SOX-11	Transcription factor - marker for mantle cell lymphoma	Ventana Ultra	30/06/2022
TTF-1	Thyroid transcription factor-1 (thyroid follicular & C cells)	Ventana Ultra	30/06/2023