

Mouse Cytokeratin, pan Monoclonal Antibody | anti-KRT77 antibody

Cytokeratin, pan (Epithelial Marker)

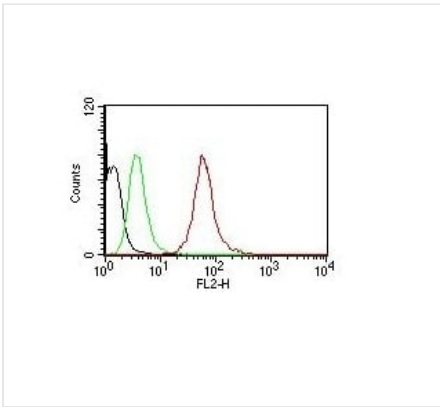
CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA214629	Mouse	Human, Monkey, Cow, Dog, Rabbit, Mouse, Rat, Chicken. Others not known.	Immunofluorescence, Flow Cytometry, Functional Assay

PRODUCT SYNONYMS

Cytokeratin; pan; Monoclonal Antibody; pan (Epithelial Marker); K1B; KRT1B; Keratin; type II cytoskeletal 1b; K77; CK-1B; Keratin 1B; Keratin-77; Cytokeratin-1B; Type-II Keratin Kb39; anti-KRT77 antibody

PRODUCT SPECIFICATIONS

Host	Mouse
Reactivity	Human, Monkey, Cow, Dog, Rabbit, Mouse, Rat, Chicken. Others not known.
Clonality	Monoclonal
Isotype	IgG's
Clone Number	SPM115 + SPM116
Specificity	Twenty human keratins are resolved with two-dimensional gel electrophoresis into acidic (pI 6.0) subfamilies. This antibody cocktail recognizes acidic (Type I or LMW) and basic (Type II or HMW) cytokeratins, which include CK1, CK3, CK4, CK5, CK6, CK8, CK10, CK14, CK15, CK16, and CK19. Many studies have shown the usefulness of keratins as markers in cancer research and tumor. This MAb is a broad spectrum anti pan-cytokeratin antibody cocktail, which differentiates epithelial tumors from non-epithelial tumors e.g. squamous vs. adenocarcinoma of the lung, liver carcinoma, breast cancer, and esophageal cancer. It has been used to characterize the source of various neoplasms and to study the distribution of cytokeratin containing cells in epithelia during normal development and during the development of epithelial neoplasms. This antibody stains cytokeratins present in normal and abnormal human tissues and has shown high sensitivity in the recognition of epithelial cells and carcinomas.
Purity/Purification	Purified Ab conjugated to PE
Form/Format	Antibody purified from Bioreactor Concentrate by Protein A/G and conjugated to various reporter molecules. Prepared in 10mM PBS with 0.05% BSA and 0.05% azide.
Sequence Length	578
Applicable Applications for anti-KRT77 antibody	IF (Immunofluorescence), FCM/FACS (Flow Cytometry)
Immunogen	Human epidermal keratin
Cellular Localization	Cytoplasmic
Hu-chromosome Location	17q21.2 (KRT77) & 12q13.13 (KRT76)
Positive Control	Skin, Adeno- or Squamous carcinomas
Preparation and Storage	Antibody with azide - store at 4 to 8 degree C. Antibody is stable for 24 months. Non-hazardous. No MSDS required.



FCM/FACS (Flow Cytometry)
Flow Cytometry of human Pan-Cytokeratins on HeLa Cells. Black: Cells alone; Green: Isotype Control; Red: PE-labeled Pan-Cytokeratin Monoclonal Antibody (SPM115 + SPM116).

ADDITIONAL INFORMATION

References	Woodcock-Mitchell J et. al. Journal of Cell Biology 1982; 95:580-8. Tseng SCG et. al. Cell 1982; 30361.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	194018511
NCBI GeneID	374454
NCBI Accession #	NP_778253.2
NCBI GenBank Nucleotide #	NM_175078.2
UniProt Accession #	Q7Z794; Q7RTS8
Molecular Weight	67kDa (CK1); 64kDa (CK3); 59kDa (CK4); 58kDa (CK5); 56kDa (CK6); 52kDa (CK8); 56.5kDa (CK10); 50kDa (CK14); 50kDa (CK15); 48kDa (CK16); 40kDa (CK19)
NCBI Official Full Name	keratin, type II cytoskeletal 1b
NCBI Official Synonym Full Names	keratin 77
NCBI Official Symbol	KRT77
NCBI Official Synonym Symbols	K1B; KRT1B
NCBI Protein Information	keratin, type II cytoskeletal 1b
UniProt Protein Name	Keratin, type II cytoskeletal 1b
UniProt Gene Name	KRT77
UniProt Synonym Gene Names	KRT1B; CK-1B; K77

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.