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Cytokeratin, pan (Epithelial Marker) Antibody - Purified Ab conjugated to PE

Mouse Monoclonal Antibody [Clone SPM115 + SPM116]
Catalog # AH10957

Product Information

Application	WB, IF, FC, IHC-P
Primary Accession	Q7Z794
Other Accession	374454 (KRT77), 51350 (KRT76), 334989 (KRT77), 654392 (KRT76), Q01546
Reactivity	Human, Mouse, Rat, Rabbit, Monkey, Chicken, Bovine, Dog
Host	Mouse
Clonality	Monoclonal
Isotype	Mouse / IgG's
Clone Names	SPM115 + SPM116
Calculated MW	61901

Additional Information

Gene ID	374454
Other Names	Keratin, type II cytoskeletal 1b, Cytokeratin-1B, CK-1B, Keratin-77, K77, Type-II keratin Kb39, KRT77, KRT1B
Application Note	WB~~1:1000 IF~~1:50~200 FC~~1:10~50 IHC-P~~N/A
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. Contact us if you require this Ab in a different format.
Storage	Store at 2 to 8°C.Antibody is stable for 24 months.
Precautions	Cytokeratin, pan (Epithelial Marker) Antibody - Purified Ab conjugated to PE is for research use only and not for use in diagnostic or therapeutic procedures.

Protein Information

Name	KRT77 (HGNC:20411)
Synonyms	KRT1B
Function	Structural component of intermediate filaments in epithelial cells of stratified epithelia. Assembles into heteropolymers with a type I keratin, forming keratin intermediate filament networks contributing to epithelial integrity.

Tissue Location	Expressed in skin..

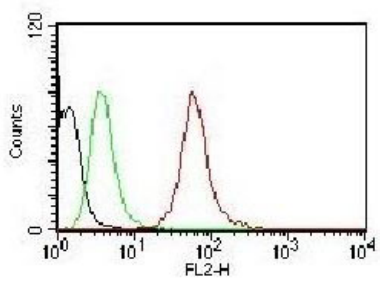
Background

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 diagnosis. 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.

References

Woodock-Mitchell J et. al. Journal of Cell Biology 1982;95:580-8. | Tseng SCG et. al. Cell 1982; 30361

Images



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

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.