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36-3749: Anti-Cytokeratin, pan (Epithelial Marker) Monoclonal Antibody(Clone: AE-1/AE-3)-FITC

Clonality :	Monoclonal
Clone Name :	AE-1/AE-3
Application :	FACS,IF
Reactivity :	Human, Mouse, Rat
Conjugate :	FITC
Gene :	KRT77 & KRT76
Gene ID :	374454; 51350
Uniprot ID :	Q7Z794 ; Q01546
Alternative Name :	K1B; KRT1B; Keratin, type II cytoskeletal 1b; K77; CK-1B; Keratin 1B; Keratin-77; Cytokeratin-1B; Type-II Keratin Kb39
Isotype :	Mouse IgG1, kappa + Mouse IgG1, kappa
Immunogen Information :	Human epidermal keratin

Description

Twenty human keratins are resolved with two-dimensional gel electrophoresis into acidic (pI 40kDa (CK19). Many studies have shown the usefulness of keratins as markers in cancer research and tumor diagnosis. AE-1/AE-3 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.

Product Info

Amount :	0.5 ml at 100µg/ml
Content :	Antibody Purified from Bioreactor Concentrate by Protein A/G and conjµgated 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 condition :	Antibody with azide - store at 4 to 8°C. Antibody is stable for 24 months. Non-hazardous.

Application Note

Flow Cytometry (5ul per test per one million cells or 5ul per 100ul of whole blood);Immunofluorescence (1:50-1:100);

For Research Use Only. Not for use in diagnostic/therapeutics procedures.