

Cytokeratin, pan (Epithelial Marker) Antibody

Mouse Monoclonal Antibody [Clone AE-1/AE-3]

Catalog No	Format	Size
MSM2-371-PE-100T	Purified Ab conjug	ed to PE

Applications	Tested Dillution
Flow Cytometry (Flow)	1-2ug/million cells
Immunofluorescence (IF)	1-3ug/ml

Product Details	
Clone	AE-1/AE-3
Gene Name	KRT77
Immunogen	Human epidermal keratin
Host	Mouse
Clonality	Monoclonal
Isotype / Light Chain	IgG1 / Kappa
Mol. Weight of Antigen	40-67kDa
Cellular Localization	Cytoplasm
Species Reactivity	Chicken, Cow, Dog, Human, Monkey, Mouse, Rabbit, Rat
Positive Control	Adeno- or Squamous carcinomas. Skin

**Optimal dilution for a specific application should be determined.*

Product Images for Cytokeratin, pan (Epithelial Marker) Antibody

Specificity & Comments

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.

Known Applications & Suggested Dilutions

Flow Cytometry: 5ul per test per one million cells (or 5ul per 100ul of whole blood);Immunofluorescence (1:50-1:100)Optimal dilution for a specific application should be determined.

Limitations and Warranty

This antibody is available for research use only and is not approved for use in diagnosis.

There are no warranties, expressed or implied, which extend beyond this description. Company is not liable for any personal injury or economic loss resulting from this product.

Supplied As

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 and Stability

Antibody with azide - store at 4 to 8°C. Antibody is stable for 24 months. Non-hazardous. No MSDS required.