Anti-pan Cytokeratin Antibody [AE-1/AE-3] (PE) (A251171)

Specifications:

Name:	Anti-pan Cytokeratin Antibody [AE-1/AE-3] (PE)
Description:	Mouse monoclonal [AE-1/AE-3] antibody to pan Cytokeratin (PE).
Specificity:	Twenty human keratins are resolved with two-dimensional gel electrophoresis into acidic (pl 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.
Applications:	Flow Cytometry, IF
Recommended Dilutions:	Flow Cytometry: 5 µl / million cells or 5 µl / 100 µl whole blood, IF: 1:50-1:100
Reactivity:	Human, Monkey, Bovine, Canine, Rabbit, Mouse, Rat, Chicken
Immunogen:	Human epidermal keratin.
Host:	Mouse
Clonality:	Oligoclonal
Clone ID:	AE-1/AE-3
Isotype:	IgG1, kappa + IgG1, kappa
Conjugate:	PE
Purification:	Protein A/G chromatography.
Concentration:	100 µg/ml
Product Form:	Liquid
Formulation:	Supplied in 10mM Phosphate Buffered Saline with 0.05% BSA and 0.05% Sodium Azide.
Storage:	Store at 4-8°C. Antibody is stable for 24 months.

Specifications continued:

General Notes:	Please note, this product is an oligoclonal antibody; it is a cocktail of monoclonal antibodies that have been carefully selected. Oligoclonal antibodies not only have the specificity and batch-to-batch consistency of a monoclonal antibody, but they also have the advantage of the sensitivity of a polyclonal antibody due to their ability to recognize multiple epitopes on an antigen.
Disclaimer:	This product is for research use only. It is not intended for diagnostic or therapeutic use.