

36-11108: Monoclonal Antibody to Cytokeratin, Basic (Type II or HMW) (Epithelial Marker)(Clone : SPM116)(Discontinued)

Clonality :	Monoclonal
Clone Name :	SPM116
Application :	FACS,IF,WB,IHC
Reactivity :	Human,Monkey,Bovine,Dog,Rabbit,Mouse,Rat,Chicken
Gene :	KRT76
Gene ID :	51350
Uniprot ID :	Q01546
Format :	Purified
Alternative Name :	KRT76,KRT2B,KRT2P
Isotype :	Mouse IgG1 Kappa
Immunogen Information :	Human epidermal keRatin

Description

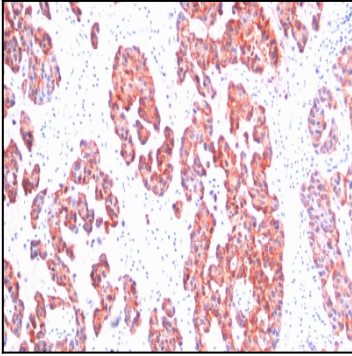
This MAb recognizes basic (Type II or HMW) cytokeratins, which include 67kDa (CK1); 64kDa (CK3); 59kDa (CK4); 58kDa (CK5); 56kDa (CK6); 52kDa (CK8). Twenty human keratins are resolved with two-dimensional gel electrophoresis into acidic (pI 6.0) subfamilies. The acidic keratins have molecular weights (MW) of 56.5, 55, 51, 50, 50', 48, 46, 45, and 40kDa. This MAb recognizes the 65-67, 64, 59, 58, 56, and 52kDa keratins of basic subfamily. Many studies have shown the usefulness of keratins as markers in cancer research and tumor diagnosis. SPM115/SPM116 is a broad spectrum anti pan-keratin 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.

Product Info

Amount :	100 µg
Purification :	Affinity Chromatography
Content :	100 µg in 500 µl PBS containing 0.05% BSA and 0.05% sodium azide. Sodium azide is highly toxic.
Storage condition :	Store the antibody at 4°C; stable for 6 months. For long-term storage; store at -20°C. Avoid repeated freeze and thaw cycles.

Application Note

Flow Cytometry (0.5-1Åµg/million cells in 0.1ml); Immunofluorescence (1-2Åµg/ml); Western Blot (0.5-1Åµg/ml); Immunohistology (Formalin-fixed) (0.25-0.5Åµg/ml for 30 min at RT); (Staining of formalin-fixed tissues requires boiling tissue sections in 10mM Citrate buffer, pH 6.0, for 10-20 min followed by cooling at RT for 20 minutes); Optimal dilution for a specific application should be determined.



Formalin-fixed, paraffin-embedded human Breast Carcinoma stained with Cytokeratin, HMW Monoclonal Antibody (SPM116).