# Cytokeratin, Basic (Type II or HMW) (Epithelial Marker) Antibody

Mouse Monoclonal Antibody [Clone SPM116]

| Catalog No | Format | Size |
|---|---|---|
| MSM5X-257-P0 | Purified Ab with BSA and Azide at 200ug/ml | 20 ug |
| MSM5X-257-P1 | Purified Ab with BSA and Azide at 200ug/ml | 100 ug |
| MSM5X-257-P1ABX | Purified Ab WITHOUT BSA and Azide at 1.0mg/ml | 100 ug |

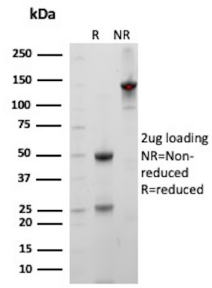
| Applications | Tested Dillution | Note |
|---|---|---|
| Flow Cytometry (Flow) | 1-2ug/million cells | |
| Immunofluorescence (IF) | 1-3ug/ml | |
| Immunohistochemistry (IHC) | 1-2ug/ml | 30 min at RT. Staining of formalin-fixed tissues requires heating tissue sections in 10mM Tris with 1mM EDTA, pH 9.0, for 45 min at 95°C followed by cooling at RT for 20 minutes |
| Western Blot (WB) | 2-4ug/ml | |

## Product Details

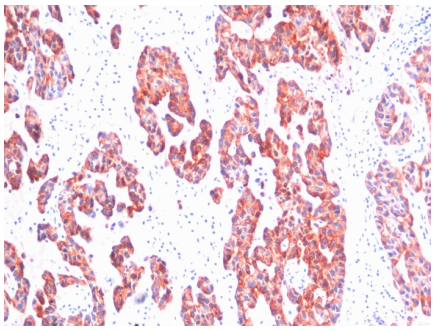
| | |
|---|---|
| **Clone** | SPM116 |
| **Gene Name** | KRT76 |
| **Immunogen** | Human epidermal keratin |
| **Host** | Mouse |
| **Clonality** | Monoclonal |
| **Isotype / Light Chain** | IgG1 / Kappa |
| **Mol. Weight of Antigen** | 67kDa (CK1); 64kDa (CK3); 59kDa (CK4); 58kDa (CK5); 56kDa (CK6); 52kDa (CK8) |
| **Species Reactivity** | Chicken, Cow, Dog, Human, Monkey, Mouse, Rabbit, Rat |
| **Positive Control** | Adenocarcinomas, Skin |

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

## Product Images for Cytokeratin, Basic (Type II or HMW) (Epithelial Marker) Antibody




SDS-PAGE Analysis of Purified Keratin, type II cytoskeletal 2 oral Mouse Monoclonal Antibody (SPM116). Confirmation of Purity and Integrity of Antibody.



Formalin-paraffin human Breast Carcinoma stained with Cytokeratin, HMWMAb (SPM116).

## Specificity & Comments

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.

## Supplied As

200ug/ml of Ab purified from Bioreactor Concentrate by Protein A/G. Prepared in 10mM PBS with 0.05% BSA & 0.05% azide. Also available WITHOUT BSA & azide at 1.0mg/ml.

## Storage and Stability

Antibody with azide - store at 2 to 8°C. Antibody without azide - store at -20 to -80°C. Antibody is stable for 24 months. Non-hazardous. No MSDS required.

## Research Areas

Autophagy, Developmental Biology

## 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.