# Cytokeratin 8/18 Antibody

Mouse Monoclonal Antibody [Clone C-51]

| Catalog No | Format | Size |
|---|---|---|
| MSM19-34-P0 | Purified Ab with BSA and Azide at 200ug/ml | 20 ug |
| MSM19-34-P1 | Purified Ab with BSA and Azide at 200ug/ml | 100 ug |
| MSM19-34-P1ABX | Purified Ab WITHOUT BSA and Azide at 1.0mg/ml | 100 ug |

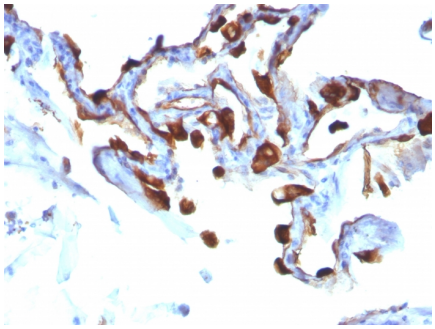
| Applications | Tested Dillution | Note |
|---|---|---|
| Flow Cytometry (Flow) | 1-2ug/million cells | |
| Immunofluorescence (IF) | 1-3ug/ml | |
| Immunohistochemistry (IHC) | 1-2ug/ml | 30 min at RT. Staining of formalin-fixed tissues requires heating tissue sections in 10mM Tris with 1mM EDTA, pH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

## Product Details

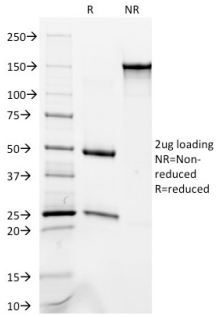
| | |
|---|---|
| **Clone** | C-51 |
| **Gene Name** | KRT8 |
| **Immunogen** | Cytoskeleton preparation from HeLa cells |
| **Host** | Mouse |
| **Clonality** | Monoclonal |
| **Isotype / Light Chain** | IgG1 / Kappa |
| **Mol. Weight of Antigen** | 52.5kDa (CK8); 45kDa (CK18) |
| **Cellular Localization** | Cytoplasm, Nucleoplasm, Nucleus, Nucleus matrix |
| **Species Reactivity** | Cow, Human, Monkey, Pig, Sheep |
| **Positive Control** | Colon, lung or breast carcinoma., MCF-7 or A431 cells. Skin |

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

## Product Images for Cytokeratin 8/18 Antibody



Formalin-fixed, paraffin-embedded human Lung Carcinoma stained with Cytokeratin 8/18 Monoclonal Antibody (C-51).




SDS-PAGE Analysis of Purified Cytokeratin 8/18 Monoclonal Antibody (C-51). Confirmation of Purity and Integrity of Antibody.

## Specificity & Comments

Cytokeratin 8 (CK8) belongs to the type II (or B or basic) subfamily of high molecular weight cytokeratins and exists in combination with cytokeratin 18 (CK18). This MAb recognizes all simple epithelia including glandular epithelium, for example thyroid, female breast, gastrointestinal tract, respiratory tract, and urogenital tract including transitional epithelium. All adenocarcinomas and most squamous carcinomas are positive but keratinizing squamous carcinomas are usually negative. This antibody is useful in demonstrating the presence of Paget cells; there is very little keratin 18 in the normal epidermis so only Paget cells are stained.

## 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.

## 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.