# Recombinant Cytokeratin 10 (Suprabasal Epithelial Marker) Antibody

Mouse Monoclonal Antibody [Clone MSVA-610M]

| Catalog No | Format | Size |
|---|---|---|
| 3858-MSM18-P0 | Purified Ab with BSA and Azide | 20 ug |
| 3858-MSM18-P1 | Purified Ab with BSA and Azide | 100 ug |

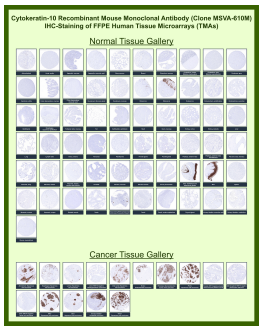
| Applications | Tested Dillution | Note |
|---|---|---|
| Immunohistochemistry (IHC) | 1:100-1:200 | Manual Protocol: Freshly cut sections should be used (less than 10 days between cutting and staining). Heat-induced antigen retrieval for 5 minutes in an autoclave at 121°C in pH 7.8 Target Retrieval Solution buffer. Apply the antibody at a dilution of 1:150 at 37°C for 60 minutes. Visualization of bound antibody by the EnVision Kit (Dako, Agilent) according to the manufacturer's directions. |

## Product Details

| | |
|---|---|
| **Clone** | MSVA-610M |
| **Immunogen** | Recombinant full-lenth human KRT10 protein. |
| **Host** | Mouse |
| **Clonality** | Monoclonal |
| **Isotype / Light Chain** | IgG1 / Kappa |
| **Mol. Weight of Antigen** | 56.5kDa |
| **Cellular Localization** | Cell surface, Extracellular space, Secreted |
| **Species Reactivity** | Human |
| **Positive Control** | Skin: All squamous epithelial cells (except the basal cell layer) should show strong cytoplasmic staining, while the basal cell layer remains KRT10 negative or shows only minimal staining. |

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

## Product Images for Recombinant Cytokeratin 10 (Suprabasal Epithelial Marker) Antibody




Keratin, type I cytoskeletal 10 Mouse Recombinant Monoclonal Antibody (MSVA-610M) tested on many normal and cancer tissues. The immunohistochemistry staining in these tissues aligns with the expression data in Human Protein Atlas.

### Specificity & Comments

This MAb recognizes a protein of 56.5kDa, identified as cytokeratin 10 (CK10). CK10 is expressed in all suprabasal layers of the epidermis. In the epidermis, expression of CK10 strictly parallels the extent of differentiation; it is absent in the basal layer, appears in the first suprabasal layers and increases in concentration towards the granular layer. However, CK10 is rarely detected in early stages of vulvar squamous carcinomas (tumors less than 2 cm, clinical stage I) regardless of the tumor grade. In larger and more advanced tumors (greater than 2 cm, clinical stages II and III), CK10 is detected very frequently. Expression of CK10 is related to maturation of malignant keratinocytes, being preferentially detected in more-differentiated parts.

### Supplied As

Ab produced in HEK293 cell mammalian-based expression system. Prepared in 10mM PBS with 0.05% BSA & 0.05% azide. Also available WITHOUT BSA & azide.

### 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.