Recombinant Cytokeratin 10 (KRT10) (Suprabasal Epithelial Marker) Antibody

Mouse Monoclonal Antibody [Clone rKRT10/6923]

Catalog No	Format	Size
3858-MSM13-P0	Purified Ab with BSA and Azide at 200ug/ml	20 ug
3858-MSM13-P1	Purified Ab with BSA and Azide at 200ug/ml	100 ug
3858-MSM13-P1ABX	Purified Ab WITHOUT BSA or Azide at 1.0mg/ml	100 ug

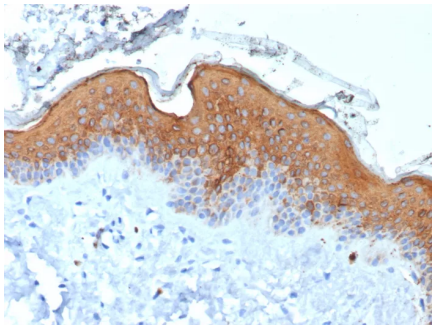
Applications	Tested Dillution	Note
Immunohistochemistry (IHC)	1-2ug/ml	30 min at RT. Staining of formalin-fixed tissues requires heating tissue sections in 10mM Tris with 1mM EDTA, pH 9.0, for 45 min at 95°C followed by cooling at RT for 20 minutes

Product Details

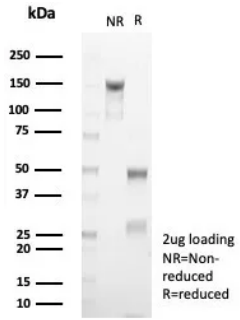
Clone	rKRT10/6923
Immunogen	Recombinant fragment (around aa570-584) of the human Cytokeratin 10 protein (exact sequence is proprietary)
Host	Mouse
Clonality	Monoclonal
Isotype / Light Chain	IgG1 / Kappa
Mol. Weight of Antigen	58.83kDa
Cellular Localization	Cell surface, Cytoplasm, Extracellular space, Secreted
Species Reactivity	Human
Positive Control	Human esophagus or tonsil.

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

Product Images for Recombinant Cytokeratin 10 (KRT10) (Suprabasal Epithelial Marker) Antibody



Formalin-fixed, paraffin-embedded human skin stained with KRT10 Recombinant Mouse Monoclonal Antibody (rKRT10/6923). HIER: Tris/EDTA, pH9.0, 45min. 2: HRP-polymer, 30min. DAB, 5min.



SDS-PAGE Analysis of Purified KRT10 Recombinant Mouse Monoclonal Antibody (rKRT10/6923). Confirmation of Purity and Integrity of Antibody.

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

200ug/ml of Ab produced in a mammalian-based expression system. 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.