

Recombinant MUC1 / CA15-3 / EMA / CD227 (Epithelial Marker) Antibody

Mouse Monoclonal Antibody [Clone rMUC1/6480]

| Catalog No | Format | Size |
|------------------|--|--------|
| 4582-MSM30-P0 | Purified Ab with BSA and Azide at 200ug/ml | 20 ug |
| 4582-MSM30-P1 | Purified Ab with BSA and Azide at 200ug/ml | 100 ug |
| 4582-MSM30-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 |
| Western Blot (WB) | 2-4ug/ml | |

| Product Details | |
|------------------------|---|
| Clone | rMUC1/6480 |
| Immunogen | Human milk fat globule. |
| Host | Mouse |
| Clonality | Monoclonal |
| Isotype / Light Chain | IgG2a / Kappa |
| Mol. Weight of Antigen | 122.1kDa |
| Cellular Localization | Apical cell membrane, Cell membrane, Cytoplasm, Nucleus, Secreted |
| Species Reactivity | Human |
| Positive Control | Expressed on the apical surface of epithelial cells, especially of airway passages, breast and uterus |

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

Product Images for Recombinant MUC1 / CA15-3 / EMA / CD227 (Epithelial Marker) Antibody

Specificity & Comments

The alpha subunit has cell adhesive properties. Can act both as an adhesion and an anti-adhesion protein. May provide a protective layer on epithelial cells against bacterial and enzyme attack., The beta subunit contains a C-terminal domain which is involved in cell signaling, through phosphorylations and protein-protein interactions. Modulates signaling in ERK, SRC and NF-kappa-B pathways. In activated T-cells, influences directly or indirectly the Ras/MAPK pathway. Promotes tumor progression. Regulates TP53-mediated transcription and determines cell fate in the genotoxic stress response. Binds, together with KLF4, the PE21 promoter element of TP53 and represses TP53 activity.

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.