

Anti-MUC18 / MCAM / CD146 Reference Antibody (imaprelimab) Recombinant Antibody Catalog # APR10374

Specification

Anti-MUC18 / MCAM / CD146 Reference Antibody (imaprelimab) - Product Information

Application Primary Accession Reactivity Clonality Isotype Calculated MW FC, E, FTA <u>P43121</u> Cynomolgus, Human, Mouse Monoclonal IgG1 145 KDa

Anti-MUC18 / MCAM / CD146 Reference Antibody (imaprelimab) - Additional Information

Target/Specificity MUC18 / MCAM / CD146

Endotoxin < 0.001EU/ μg,determined by LAL method.

Conjugation Unconjugated

Expression system CHO Cell

Format

Purified monoclonal antibody supplied in PBS, pH6.0, without preservative. This antibody is purified through a protein A column.

Anti-MUC18 / MCAM / CD146 Reference Antibody (imaprelimab) - Protein Information

Name MCAM

Synonyms MUC18

Function

Plays a role in cell adhesion, and in cohesion of the endothelial monolayer at intercellular junctions in vascular tissue. Its expression may allow melanoma cells to interact with cellular elements of the vascular system, thereby enhancing hematogeneous tumor spread. Could be an adhesion molecule active in neural crest cells during embryonic development. Acts as a surface receptor that triggers tyrosine phosphorylation of FYN and PTK2/FAK1, and a transient increase in the intracellular calcium concentration.

Cellular Location

Membrane; Single-pass type I membrane protein.



Tissue Location

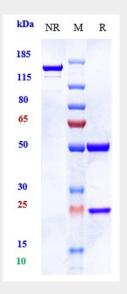
Detected in endothelial cells in vascular tissue throughout the body. May appear at the surface of neural crest cells during their embryonic migration. Appears to be limited to vascular smooth muscle in normal adult tissues. Associated with tumor progression and the development of metastasis in human malignant melanoma. Expressed most strongly on metastatic lesions and advanced primary tumors and is only rarely detected in benign melanocytic nevi and thin primary melanomas with a low probability of metastasis

Anti-MUC18 / MCAM / CD146 Reference Antibody (imaprelimab) - Protocols

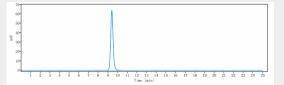
Provided below are standard protocols that you may find useful for product applications.

- <u>Western Blot</u>
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- <u>Cell Culture</u>

Anti-MUC18 / MCAM / CD146 Reference Antibody (imaprelimab) - Images



Anti-MUC18 / MCAM / CD146 Reference Antibody (imaprelimab) on SDS-PAGE under reducing (R) condition. The gel was stained with Coomassie Blue. The purity of the protein is greater than 90%



The purity of Anti-MUC18 / MCAM / CD146 Reference Antibody (imaprelimab)is more than 95% ,determined by SEC-HPLC.