

Mouse Anti-MUC18/CD146/MCAM [OJ79c]: MC0862

Intended Use: For Research Use Only

Description: CD146 (melanoma-associated antigen A32), also known as MUC18, is a transmembrane glycoprotein expressed on endothelial cells and is located at the intercellular junction where it plays a role in cell adhesion, and in the cohesion of the endothelial monolayer. CD146 labels endothelial cells, smooth muscle cells, intermediate trophoblast, subpopulation of T cells, and peripheral neuronal cells. In tumor, CD146 is expressed on tumor cells derived from peripheral nerves system, melanoma and clear cell sarcoma. CD146 has been used as a marker for intermediate trophoblast. It has been reported that CD146 is useful in differentiation of mesothelioma (CD146 positive) and reactive mesothelium (CD146 negative). CD146 is associated with tumor progression and the development of metastasis in human malignant melanoma.

Specifications

Clone: OJ79c
Source: Mouse
Reactivity: Human
Isotype: IgG
Localization: Membrane, cytoplasm
Formulation: Purified antibody in 0.2% BSA and 15mM sodium azide (NaN₃)
Storage: Store at 2°- 8°C. For longer periods of storage, store at -20°C. Avoid repeat freeze-thaw cycles
Applications: IHC
Package:

Description	Catalog No.	Size
MUC18/CD146/MCAM Concentrated	MC0862	1 ml

IHC Procedure*

Positive Control Tissue: Placenta, melanoma
Concentrated Dilution: 50-200
Pretreatment: Citrate pH6.0, 15 minutes using Pressure Cooker, or 30-60 minutes using water bath at 95°-99°C
Incubation Time and Temp: 30-60 minutes @ RT
Detection: Refer to the detection system manual

* Result should be confirmed by an established diagnostic procedure.