

Product datasheet for **SM1860PTS**

CD146 (MCAM) Rat Monoclonal Antibody [Clone ID: OJ79c]

Product data:

Product Type:	Primary Antibodies
Clone Name:	OJ79c
Applications:	FC, IF, IHC, IP, WB
Recommended Dilution:	ELISA: Use BSA free antibody for coating. Flow Cytometry: 0.5-1 µg/10 ⁶ cells. Immunofluorescence: 0.5-1 µg/ml. Western Blot: 0.5-1 µg/ml. Immunoprecipitation: 1-2 µg/500 µg protein lysate. Immunohistochemistry on Frozen Sections: 0.5-1 µg/ml for 30 minutes at RT. Positive Control: A-375, HUV-EC or HeLa Cells, Tonsil or Melanoma.
Reactivity:	Human
Host:	Rat
Isotype:	IgG1
Clonality:	Monoclonal
Immunogen:	Recombinant Human MUC18 protein.
Specificity:	This antibody recognises the 118kD cell surface glycoprotein CD146. Cellular Localization: Cell surface.
Formulation:	10mM PBS State: Purified State: Liquid purified IgG fraction from Bioreactor Concentrate Stabilizer: 0.05% BSA Preservative: 0.05% Sodium Azide
Concentration:	lot specific
Purification:	Protein A/G Chromatography
Conjugation:	Unconjugated
Storage:	Store undiluted at 2-8°C. DO NOT FREEZE!
Stability:	Shelf life: one year from despatch.



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Predicted Protein Size: 130 kDa

Gene Name: melanoma cell adhesion molecule

Database Link: [Entrez Gene 4162 Human P43121](#)

Background: The Human Mel-CAM gene maps to chromosome 11q23 and encodes a trans-membrane glycoprotein, also designated MCAM, MUC18 or CD146, that belongs to the immunoglobulin superfamily and functions as a Ca²⁺-independent cell adhesion molecule. Mel-CAM expression is restricted to advanced primary and metastatic melanomas and to cell lines of the neuroectodermal lineage, but not normal melanocytes. Mel-CAM is found on 80% of advanced primary human melanomas and correlates well with development of metastatic disease.

Synonyms: MCAM, MUC18, CD146