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Product datasheet for TA420121

MCAM Mouse Monoclonal Antibody [Clone ID: OJ79c]

Product data:

Product Type:	Primary Antibodies
Clone Name:	OJ79c
Applications:	ELISA, FC, IF, IHC
Reactivity:	Pig, Dog
Host:	Mouse
Isotype:	IgG1
Clonality:	Monoclonal
Immunogen:	Recombinant human MUC18 (D1-D5) Fc protein.
Specificity:	CD146
Formulation:	Phosphate buffered saline containing 0.09% sodium azide (NaN3) **Label**: ALEXA FLUORÂ® 647,FITC,Preservative Free,Purified,RPE **State**: Purified IgG prepared by affinity chromatography on Protein A from tissue culture supernatant Purified IgG - liquid
Concentration:	lot specific
Conjugation:	Unconjugated
Storage:	+4°C, -20°C if preferred
Stability:	Shelf life: one year from despatch.
Gene Name:	melanoma cell adhesion molecule
Database Link:	P43121

Background: Mouse anti Human CD146 antibody, clone OJ79c recognizes human Cell surface glycoprotein MUC18, also known as CD146, Cell surface glycoprotein P1H12, Melanoma cell adhesion molecule (MCAM) or S-endo 1 endothelial-associated antigen. CD146 is a 646 amino acid single pass type 1 transmembrane glycoprotein with a calculated molecular mass of ~72 kDa. However due to extensive N-linked glycosylation CD146 migrates in polyacrylamide gels with an apparent molecular mass of ~118 kDa. CD146 is a member of the immunoglobulin superfamily bearing 2 V-type Ig-like and 3 C-type Ig-like domains. CD146 is expressed by all endothelial cells and by melanoma cells and appears to act as an adhesion molecule (UniProt: P43121). Expression in melanoma may be linked to tumor progression (Lehmann et al. 1989).Mouse anti Human CD146 antibody, clone OJ79c is highly expressed on pericytes and has been utilized for the identification of perivascular mesenchymal precursor cells from cardiac muscle using flow cytometry (Chen et al. 2014).

Synonyms: MUC18