For Research Use Only

Anti-Human CD146 (P1H12)

Catalog Number:65181-1-Ig 2 Publications

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Basic Information

Catalog Number:
65181-1-Ig

Size:
100ug, 1 mg/ml

Source:
Mouse

Isotype:
IgG1, kappa

GenBank Accession Number:
BC056418

GeneID (NCBI):
4162

UNIPROT ID:
P43121

Full Name:
melanoma cell adhesion molecule

Calculated MW:
646 aa, 72 kDa

Purification Method:
Purified by protein-A affinity chromatography

CloneNo.:
P1H12

Applications

Tested Applications:
FC

Cited Applications:
FC

Species Specificity:
Rabbit, Canine, Mouse, Human

Cited Species:
human

Background Information

CD146, also known as melanoma cell adhesion molecule (MCAM) or MUC18, originally identified as a biomarker of melanoma progression, is a transmembrane glycoprotein of 113-130 kDa, belonging to the immunoglobulin (Ig) superfamily (PMID: 8378324; 25993332). Structurally, it consists of five Ig domains, a transmembrane domain, and a cytoplasmic region. In normal adult tissue, CD146 is primarily expressed by vascular endothelium and smooth muscle. CD146 is a key cell adhesion protein in vascular endothelial cell activity and angiogenesis, and has been used as marker of circulating endothelium cells (CECs) (PMID: 19356677). In addition to the membrane-anchored form of CD146, a soluble form of CD146 (sCD146, 105 kDa) has also been found in human plasma and in the supernatant of cultured human endothelial cells (PMID: 9462829; 19229070; 16374253; 14597988).

Notable Publications

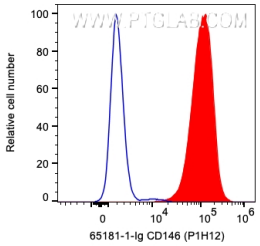
Author	Pubmed ID	Journal	Application
Xun Xi	35071244	Front Cell Dev Biol	FC
Han Li	37055866	Stem Cell Res Ther	FC

Storage

Storage:
Store at 2-8°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.09% sodium azide.

This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

Selected Validation Data



1X10^6 HeLa cells were surface stained with 0.2 ug Anti-Human CD146 (65181-1-Ig, Clone:P1H12) and APC-conjugated Goat Anti-Mouse IgG at dilution 1:1000. Cells were not fixed.