CoraLite® Plus 750 Anti-Human CD146 (P1H12)

proteintech®
Antibodies | ELISA kits | Proteins
www.ptglab.com

Catalog Number:CL750-65181

Basic Information

Catalog Number:
CL750-65181

Size:
100tests , 5 µl/test

Source:
Mouse

Isotype:
IgG1, kappa

GenBank Accession Number:
BC056418

GeneID (NCBI):
4162

Full Name:
melanoma cell adhesion molecule

Calculated MW:
646 aa, 72 kDa

Purification Method:
Affinity purification

CloneNo.:
P1H12

Excitation/Emission maxima wavelengths:
755 nm / 780 nm

Applications

Tested Applications:
FC

Species Specificity:
Rabbit, Canine, Mouse, 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).
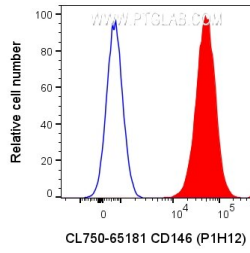
Storage

Storage:
Store at 2-8℃. Avoid exposure to light. Stable for one year after shipment.
Storage Buffer:
PBS with 0.09% sodium azide and 0.5% BSA.

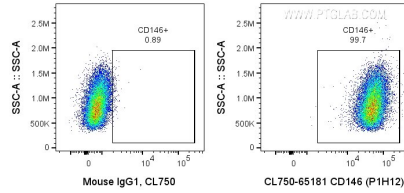# Selected Validation Data

1X10^6 A375 cells were surface stained with 5 ul CoraLite® Plus 750 Anti-Human CD146 (CL750-65181, Clone:P1H12), or Mouse IgG1 Isotype Control. Cells were not fixed.

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