

Nur für Forschungszwecke

CD146/MCAM Monoklonaler Antikörper

Katalog-Nr.:CL594-66153



Allgemeine Informationen

Katalog-Nr.: CL594-66153	GenBank-Zugangsnummer: BC056418	Reinigungsmethode: Protein-G-Reinigung
Größe: 100ul , Konzentration: 2000 µg/ml von4162 Nanodrop;	GeneID (NCBI): 4162	CloneNo.: 4D8A9
Wirt: Maus	Vollständiger Name: melanoma cell adhesion molecule	Anregungs-/Emissionsmaxima-Wellenlängen: 588 nm / 604 nm
Isotyp: IgG1	Berechnete Masse: 646 aa, 72 kDa	
Immunogen Katalognummer: AG11855	Beobachtete Masse: 120 kDa	

Anwendungen

Geprüfte Anwendungen:
FC(Intra)

Getestete Reaktivität:
Human

Hintergrundinformationen

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). This antibody detects a band at approximately 120 kDa that corresponds to the molecular weight of glycosylated CD146. Treatment of lysates of HepG2 cells and LO2 cells with PNGase F, which removes oligosaccharides from N-linked glycoproteins, led to a down-shift of the detected band.

Lagerung

Lagerungsbedingungen:
Bei -20°C lagern. Vor Licht schützen. Nach dem Versand ein Jahr stabil.

Lagerungspuffer:
BS mit 50% Glycerin, 0,05% Proclin300, 0,5% BSA, pH 7,3.

Aliquotieren ist nicht notwendig bei -20°C Lagerung

***** 20ul-Größen enthalten 0.1% BSA**

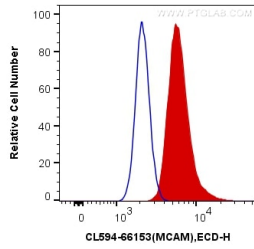
For technical support and original validation data for this product please contact:

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Ausgewählte Validierungsdaten



1×10^6 HeLa cells were intracellularly stained with 0.4 μ g Coralite[®]594 Anti-Human CD146/MCAM (CL594-66153, Clone:4D8A9) (red), or 0.4 μ g Control Antibody. Cells were fixed with 4% PFA and permeabilized with Flow Cytometry Perm Buffer (PF00011-C).