

À des fins de recherche uniquement

Anticorps Monoclonal anti- CD146/MCAM



Numéro de catalogue: **CL594-66153**

Informations de base

Numéro de catalogue: CL594-66153	Numéro d'acquisition GenBank: BC056418	Méthode de purification: Purification par protéine G
Taille: 100ul , Concentration: 2000 µg/ml by Nanodrop;	Identification du gène (NCBI): 4162	CloneNo.: 4D8A9
Hôte: Mouse	Nom complet: melanoma cell adhesion molecule	Excitation/Emission maxima wavelengths: 588 nm / 604 nm
Isotype: IgG1	MW calculé 646 aa, 72 kDa	
Immunogen Catalog Number: AG11855	MW observés: 120 kDa	

Applications

Applications testées:
FC(Intra)
Spécificité de l'espèce:
Humain

Informations générales

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.

Stockage

Stockage:
Stocker à -20 °C. Éviter toute exposition à la lumière. Stable pendant un an après l'expédition.
Tampon de stockage:
PBS avec glycérol à 50 %, Proclin300 à 0,05 % et BSA à 0,5 %, pH 7,3.
L'aliquotage n'est pas nécessaire pour le stockage à -20C

***** Les 20ul contiennent 0,1% de BSA.**

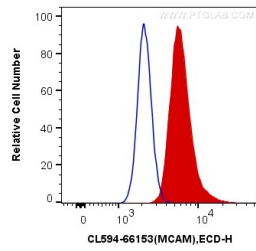
For technical support and original validation data for this product please contact:

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Données de validation sélectionnées



1X10⁶ HeLa cells were intracellularly stained with 0.4 ug Coralite®594 Anti-Human CD146/MCAM (CL594-66153, Clone:4D8A9) (red), or 0.4 ug Control Antibody. Cells were fixed with 4% PFA and permeabilized with Flow Cytometry Perm Buffer (PF00011-C).