

CD147 Monoclonal Antibody (MEM-M6/1), APC

Catalog NumberA15706

Product data sheet

Details		Species Reactivity	
Size	100 Tests	Species reactivity	Human
Host/Isotope	Mouse / IgG1	Published species	Not Applicable
Class	Monoclonal	Tested Applications	
Type	Antibody	Flow Cytometry (Flow)	Dilution * 10 µL/1x10^6 cells
Clone	MEM-M6/1	<div>* Suggested working dilutions are given as a guide only. It is recommended that the user titrate the product for use in their own experiment using appropriate negative and positive controls.</div>	
Immunogen	Protein A-CR purified soluble recombinant form of CD147, CD147Rg, which consists of the cDNA coding for the hinge region, CH2-and CH3 domain of human IgG1 (CD147Rg is secreted by transfectants as a dimer)		
Conjugate	APC		
Form	Liquid		
Purification	Size-exclusion chromatography		
Storage buffer	PBS, pH 7.4, with 0.2% BSA		
Contains	15mM sodium azide		
Storage Conditions	4° C		

Background/Target Information

CD147 (basigin, neurothelin, OX-47, 5A11, CE9, M6, EMMPRIN, extracellular matrix metalloproteinase inducer, TCSF, tumour cell-derived collagenase-stimulatory factor) is a 50-60 kDa glycoprotein with multiple glycosylated forms. CD147 is a plasma membrane protein that is important in spermatogenesis, embryo implantation, neural network formation, and tumor progression. CD147 is also a member of the immunoglobulin superfamily. The highest level of CD147 expression is on metabolically active cells, such as lymphoblasts, inflammatory cells, brown adipocytes and malignant tumor cells. CD147 has multiple functions, including facilitating of cell surface expression of monocarboxylate transporter proteins and extracellular matrix metalloproteinases, regulation of integrin functions, it plays roles in cell development and activation, fetal development or retinal function.

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