

Product datasheet

FITC Anti-CD147 antibody [MEM-M6/1] ab69771

[2 References](#) [1 Image](#)

Overview

Product name	FITC Anti-CD147 antibody [MEM-M6/1]
Description	FITC Mouse monoclonal [MEM-M6/1] to CD147
Host species	Mouse
Conjugation	FITC. Ex: 493nm, Em: 528nm
Specificity	ab69771 recognizes an epitope in the N-terminal Ig domain (D1) of CD147 and is a high-affinity antibody capable of binding to unstimulated peripheral blood T cells.
Tested applications	Suitable for: Flow Cyt
Species reactivity	Reacts with: Human
Immunogen	Protein A chromatography 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).
General notes	<p>The purified antibody is conjugated with Fluorescein isothiocyanate (FITC) under optimum conditions. The reagent is free of unconjugated FITC.</p> <p>The Life Science industry has been in the grips of a reproducibility crisis for a number of years. Abcam is leading the way in addressing this with our range of recombinant monoclonal antibodies and knockout edited cell lines for gold-standard validation. Please check that this product meets your needs before purchasing.</p> <p>If you have any questions, special requirements or concerns, please send us an inquiry and/or contact our Support team ahead of purchase. Recommended alternatives for this product can be found below, along with publications, customer reviews and Q&As</p>

Properties

Form	Liquid
Storage instructions	Shipped at 4°C. Store at +4°C.
Storage buffer	pH: 7.4 Preservative: 0.097% Sodium azide Constituents: 0.2% BSA, PBS
Purity	Size exclusion
Clonality	Monoclonal

Clone number MEM-M6/1

Isotype IgG1

Applications

The Abpromise guarantee Our **Abpromise guarantee** covers the use of ab69771 in the following tested applications.

The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

Application	Abreviews	Notes
Flow Cyt		

Application notes Flow Cyt: Use 20µl for 10⁶ cells or 100µl whole blood.

Not yet tested in other applications.

Optimal dilutions/concentrations should be determined by the end user.

Target

Function Plays pivotal roles in spermatogenesis, embryo implantation, neural network formation and tumor progression. Stimulates adjacent fibroblasts to produce matrix metalloproteinases (MMPS). May target monocarboxylate transporters SLC16A1, SLC16A3 and SLC16A8 to plasma membranes of retinal pigment epithelium and neural retina. Seems to be a receptor for oligomannosidic glycans. In vitro, promotes outgrowth of astrocytic processes.

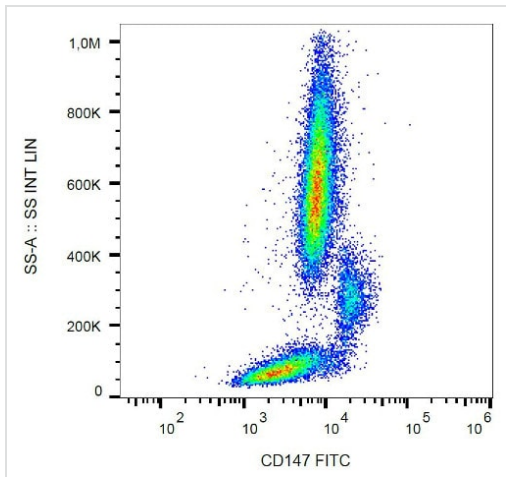
Tissue specificity Present only in vascular endothelium in non-neoplastic regions of the brain, whereas it is present in tumor cells but not in proliferating blood vessels in malignant gliomas.

Sequence similarities Contains 1 Ig-like C2-type (immunoglobulin-like) domain.
Contains 1 Ig-like V-type (immunoglobulin-like) domain.

Post-translational modifications N-glycosylated.

Cellular localization Cell membrane. Melanosome. Colocalizes with SLC16A1 and SLC16A8 (By similarity). Identified by mass spectrometry in melanosome fractions from stage I to stage IV.

Images



Surface staining of human peripheral blood with anti-human CD147 (MEM-M6/1) FITC.

Flow Cytometry - FITC Anti-CD147 antibody [MEM-M6/1] (ab69771)

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