

11-274-C100

Monoclonal Antibody to CD147 Purified Antibody (0.1 mg)

Clone: MEM-M6/1

Isotype: Mouse IgG1

Specificity: The antibody MEM-M6/1 recognizes an epitope in the N-terminal Ig domain (D1) of

CD147 (Neurothelin), a 50-60 kDa type I transmembrane glycoprotein primarily expressed on all leukocytes, red blood cells, platelets and endothelial cells; it is not

expressed by resting lymphocytes.

The antibody MEM-M6/1 is a high-affinity antibody capable of binding to

unstimulated peripheral blood T cells.

Regulatory Status: RUO

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).

Species Reactivity: Human

Application: Flow Cytometry

Recommended dilution: 10 µg/ml

Immunoprecipitation Western Blotting

Recommended dilution: 1 µg/ml

Application note: Non-reducing conditions. Immunohistochemistry (paraffin sections)

Recommended dilution: 10 µg/ml

Positive tissue: testis

Purity: > 95% (by SDS-PAGE)

Purification: Purified by protein-A affinity chromatography

Concentration: 1 mg/ml

Storage Buffer: Phosphate buffered saline (PBS) with 15 mM sodium azide, approx. pH 7.4

Storage / Stability: Store at 2-8°C. Do not freeze. Do not use after expiration date stamped on vial

label.

Expiration: See vial label

Lot Number: See vial label

Background: CD147 (basigin, neurothelin, OX-47, 5A11, CE9, M6) also known as EMMPRIN

(extracellular matrix metalloproteinase inducer) or TCSF (tumour cell-derived collagenase-stimulatory factor) is an ubiquitously expressed cell surface protein with multiple glycosylated forms. The highest level of CD147 expression is on metabolically active cells, such as lymphoblasts, inflammatory cells, brown adipocytes and malignant tumour 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.

For laboratory research only, not for drug, diagnostic or other use.



PRODUCT DATA SHEET

References:

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