

11-454-C100

Monoclonal Antibody to CD147 Purified Antibody (0.1 mg)

Clone:	MEM-M6/2
Isotype:	Mouse IgG2b
Specificity:	<p>The antibody MEM-M6/2 recognizes extracellular 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.</p> <p>The antibody MEM-M6/1 is a high-affinity antibody capable of binding to unstimulated peripheral blood T cells.</p>
Regulatory Status:	RUO
Immunogen:	A soluble recombinant form of CD147, CD147Rg, which consists of the cDNA coding for the entire extracellular region of CD147 fused to the DNA coding for the hinge region, CH2 and CH3 domain of human IgG1.
Species Reactivity:	Human, Porcine
Application:	Flow Cytometry Recommended dilution: 4 µg/ml 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:	<p>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.</p>

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

**Antibodies****References:**

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