

11-454-C025

## Monoclonal Antibody to CD147 Purified Antibody (0.025 mg)

Clone: MEM-M6/2
Isotype: Mouse IgG2b

Specificity: The antibody MEM-M6/2 recognizes extracellular lg 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: 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: 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.



## PRODUCT DATA SHEET

## References:

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