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Lieferung & Zahlungsart

siehe unsere Liefer- und Versandbedingungen

Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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Mouse Anti-D147 / Basigin / Neurothelin Monoclonal Antibody

CLX76AP
CLX76B
CLX76F
CLX76PE
CLX76APC

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 primarilyexpressed 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.

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, Immunoprecipitation, Western Blotting (Non-reducing conditions), Immunohistochemistry (paraffin sections).

Conjugate Preparation:
The purified antibody is conjugated with Biotin-LC-NHS, Fluorescein isothiocyanate (FITC), R-Phycoerythrin (PE) or cross-linked Allophycocyanin (APC) under optimum conditions. The conjugate is purified by size-exclusion chromatography and adjusted for direct use. No reconstitution is necessary.

Presentation:
Purified: 0.1 mg (1 mg/mL) purified IgG buffered in PBS with 15 mM sodium azide, approx. pH 7.4. (Purified by protein-A affinity chromatography).
Biotin: 0.1 mg (1 mg/mL) of Biotin conjugated IgG buffered in PBS with 15 mM sodium azide, approx. pH 7.4.
FITC: 2 mL of FITC conjugated IgG buffered in in stabilizing phosphate buffered saline (PBS) solution containing 15mM sodium azide. Sufficient for 100 tests.
PE: 2 mL of PE conjugated IgG buffered in in stabilizing phosphate buffered saline (PBS) solution containing 15mM sodium azide. Sufficient for 100 tests.
APC: 1 mL of APC conjugated IgG buffered in in stabilizing phosphate buffered saline (PBS) solution containing 15mM sodium azide. Sufficient for 100 tests.

Continued Overleaf…..

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Storage / Stability:
Store in the dark at 2-8°C. Do not freeze all formats. Avoid prolonged exposure to light of conjugates. Do not use after expiration date stamped on vial label.

Usage:
Recommended dilutions for Flow Cytometry analysis of human blood cells:
Purified: 10 µg/ml
Biotin: 1:250 dilution
FITC: 20 µl reagent / 100 µl of whole blood or 10^6 cells in a suspension.
PE: 20 µl reagent / 100 µl of whole blood or 10^6 cells in a suspension.
APC: 10 µl reagent / 100 µl of whole blood or 10^6 cells in a suspension.

Recommended dilutions for Western Blotting:
Purified: 1 µg/ml

Recommended dilutions for Immunohistochemistry (paraffin sections):
Purified: 10 µg/ml

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.

References:

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Laboratory Reagent For Research Use Only

JK 03/01/18