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30-1615: Anti-CD147 / Basigin / Neurothelin Monoclonal Antibody (Clone:MEM-M6/6)-Low Endotoxin

Clonality :	Monoclonal
Clone Name :	MEM-M6/6
Application :	FACS
Reactivity :	Human
Gene :	BSG
Gene ID :	682
Uniprot ID :	P35613
Format :	Low Endotoxin
Alternative Name :	BSG,UNQ6505/PRO21383
Isotype :	Mouse IgG1
Immunogen Information :	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 dimmer).

Description

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 Info

Amount :	0.1 mg
Purification :	Purified by protein-A affinity chromatography
Content :	Low Endotoxin azide free PBS. 0.2μm Filter Sterilized. 1.0 mg/ml
Storage condition :	Store at 2-8°C. Do not freeze.

Application Note

Flow Cytometry *Recommended dilution:*4-10 μg/ml
Western Blotting *Positive control:* 293 human fibroblastoid cell line
Sample preparation: Resuspend approx. 50 mil. cells in 1 ml cold Lysis buffer (1% laurylmaltoside in 20 mM Tris/Cl, 100 mM NaCl pH 8.2, 50 mM NaF including Protease inhibitor Cocktail). Incubate 60 min on ice. Centrifuge to remove cell debris. Mix lysate with non-reducing SDS-PAGE sample buffer.
Functional Application The antibody MEM-M6/6 (high-affinity mAb of unique epitope specificity) inhibits anti-CD3-induced T cell activation.

For Research Use Only. Not for use in diagnostic/therapeutics procedures.