

Product datasheet for **SM1602PS**

CD147 (BSG) Mouse Monoclonal Antibody [Clone ID: MEM-M6/1]

Product data:

Product Type:	Primary Antibodies
Clone Name:	MEM-M6/1
Applications:	FC, IHC, IP, WB
Recommended Dilution:	Flow Cytometry: 10 µg/ml. Immunoprecipitation. Western blot (<i>under non-reducing conditions</i>): 1 µg/ml. Immunohistochemistry on Paraffin Sections: 10 µg/ml. Positive tissue: testis.
Reactivity:	Human
Host:	Mouse
Isotype:	IgG1
Clonality:	Monoclonal
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)
Specificity:	The antibody 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.
Formulation:	PBS, pH~7.4 State: Purified State: Liquid purified Ig fraction (> 95% by SDS-PAGE) Preservative: 15 mM Sodium Azide
Concentration:	lot specific
Purification:	Affinity Chromatography on Protein A
Conjugation:	Unconjugated
Storage:	Store undiluted at 2-8°C. DO NOT FREEZE!



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Stability:	Shelf life: one year from despatch.
Gene Name:	basigin (Ok blood group)
Database Link:	Entrez Gene 682 Human P35613
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.
Synonyms:	Basigin, BSG, EMMPRIN, TCSF