10320 Camino Santa Fe, Suite G
San Diego, CA 92121
Tel: 858.875.1900 Fax: 858.875.1999

Anti-CD147/Emmprin/Basigin (Extracellular region) Antibody

Catalog # AN1705

Product Information

Application	WB
Primary Accession	P35613
Host	Mouse
Clonality	Mouse Monoclonal
Isotype	IgG1
Clone Names	M052
Calculated MW	42200

Additional Information

Gene ID	682
Other Names	Basigin, 5F7, Collagenase stimulatory factor Extracellular matrix metalloproteinase, EMMPRIN, Leukocyte activation antigen M6, OK blood group antigen, Tumor cell-derived collagenase stimulatory factor, TCSF, CD147, BSG
Target/Specificity	D147 (Basigin/EMMPRIN) is a type I integral membrane receptor protein belonging to the immunoglobulin superfamily. CD147 is a glycosylated protein with four known isoforms with isoform 2 being the most abundantly expressed. In many cancers, CD147 is overexpressed and stimulates the secretion of extracellular matrix metalloproteinases by tumor fibroblasts, which can promote tumor progression. CD147 is co-expressed with the amino acid transporter, CD98h, in metabolically active cells such as lymphocytes, macrophages, and tumor cells. CD147 interaction with caveolin and cyclophilins regulates its functions, and this protein may function outside of tumor cells through cell shedding and microvesicle release.
Dilution	WB~~1:1000
Format	Protein G Purified
Storage	Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.
Precautions	Anti-CD147/Emmprin/Basigin (Extracellular region) Antibody is for research use only and not for use in diagnostic or therapeutic procedures.
Shipping	Blue Ice

Background

D147 (Basigin/EMMPRIN) is a type I integral membrane receptor protein belonging to the immunoglobulin

superfamily. CD147 is a glycosylated protein with four known isoforms with isoform 2 being the most abundantly expressed. In many cancers, CD147 is overexpressed and stimulates the secretion of extracellular matrix metalloproteinases by tumor fibroblasts, which can promote tumor progression. CD147 is co-expressed with the amino acid transporter, CD98h, in metabolically active cells such as lymphocytes, macrophages, and tumor cells. CD147 interaction with caveolin and cyclophilins regulates its functions, and this protein may function outside of tumor cells through cell shedding and microvesicle release.