

Anti-Basigin / Emmprin / CD147 Antibody (clone MEM-M6/1)

Mouse Anti Human Monoclonal Antibody
Catalog # ALS18226

Product Information

Application	WB, IHC-P, IP, FC
Primary Accession	P35613
Predicted	Human
Host	Mouse
Clonality	Monoclonal
Isotype	IgG1
Clone Names	MEM-M6/1
Calculated MW	42200
Concentration (mg/ml)	1 mg/ml

Additional Information

Gene ID	682
Alias Symbol	BSG
Other Names	BSG, 5F7, Basigin, Basigin (Ok blood group), CD147 antigen, Collagenase stimulatory factor, EMMPRIN, OK, OK blood group antigen, TCSF, CD147, M6
Reconstitution & Storage	Purified
Precautions	Anti-Basigin / Emmprin / CD147 Antibody (clone MEM-M6/1) is for research use only and not for use in diagnostic or therapeutic procedures.

Protein Information

Name	BSG (HGNC:1116)
Function	[Isoform 1]: Essential for normal retinal maturation and development (By similarity). Acts as a retinal cell surface receptor for NXNL1 and plays an important role in NXNL1-mediated survival of retinal cone photoreceptors (PubMed: 25957687). In association with glucose transporter SLC16A1/GLUT1 and NXNL1, promotes retinal cone survival by enhancing aerobic glycolysis and accelerating the entry of glucose into photoreceptors (PubMed: 25957687). May act as a potent stimulator of IL6 secretion in multiple cell lines that include monocytes (PubMed: 21620857).
Cellular Location	Melanosome. Note=Identified by mass spectrometry in melanosome fractions from stage I to stage IV. [Isoform 2]: Cell membrane; Single-pass type I membrane protein {ECO:0000250 UniProtKB:P26453}. Endosome

Endoplasmic reticulum membrane; Single- pass type I membrane protein {ECO:0000250|UniProtKB:P26453} Basolateral cell membrane; Single-pass type I membrane protein {ECO:0000250|UniProtKB:P26453} [Isoform 4]: Cell membrane; Single-pass type I membrane protein {ECO:0000250|UniProtKB:P26453}

Tissue Location

[Isoform 1]: Retina-specific (PubMed:25957687). Expressed in retinal cone photoreceptors (at protein level) (PubMed:25957687). [Isoform 3]: Highly expressed in the bone marrow, fetal liver, lung, testis and thymus.

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.