Active Recombinant Human BSG Protein, Fc/His-tagged, Alexa Fluor® 647 conjugated

Cat. No. BSG-10H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant human Alexa Fluor® 647 conjugated EMMPRIN/CD147 (Thr25-His205) protein with human IgG1 (Pro100-Lys330) Fc tag and His tag at C-terminus was expressed in mouse myeloma cell line.
Species	Human
Source	NS0
ProteinLength	25-205 a.a.
Description	The protein encoded by this gene, basigin, is a plasma membrane protein that is important in spermatogenesis, embryo implantation, neural network formation, and tumor progression. Basigin is also a member of the immunoglobulin superfamily, ubiquitously expressed in various tissues. Multiple transcript variants encoding different isoforms have been found for this gene.
Form	Disulfide-linked homodimer Labeled with Alexa Fluor® 647 Excitation Wavelength: 650 nm Emission Wavelength: 668 nm
Bio-activity	Measured by flow cytometry for its ability to bind anti-human EMMPRIN/CD147 Monoclonal Antibody conjugated beads. The concentration of Recombinant Human EMMPRIN/CD147 Fc Chimera Alexa Fluor® 647 that produces 50% of the binding

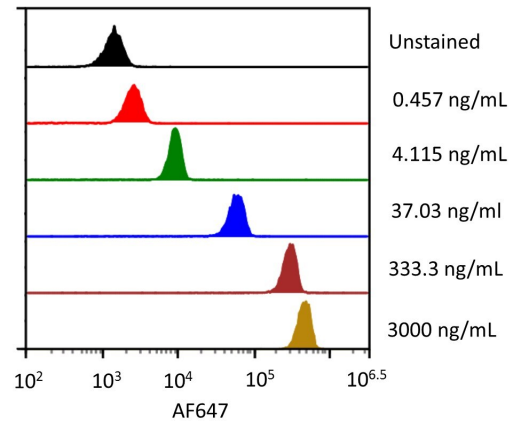
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	response is 0.25-5.00 ng/mL.
Molecular Mass	47 kDa
N-terminal Sequence Analysis	Thr25
Endotoxin	<1.0 EU/μg of the protein by the LAL method.
Purity	>90%, by SDS-PAGE visualized with Silver Staining and quantitative densitometry by Coomassie® Blue Staining.
Storage	Protect from light. Use a manual defrost freezer and avoid repeated freeze-thaw cycles. 6 months from date of receipt, -20 to -70 centigrade as supplied. 1 month, 2 to 8 centigrade under sterile conditions after opening. 3 months, -20 to -70 centigrade under sterile conditions after opening.
Storage Buffer	Supplied as a 0.2 μm filtered solution in PBS with BSA as a carrier protein.
Shipping	The product is shipped with dry ice or equivalent.
Conjugation	Alexa Fluor 647

GENE INFORMATION

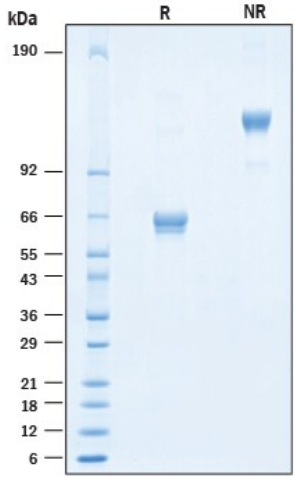
Gene Name	BSG basigin (Ok blood group) [Homo sapiens (human)]
Official Symbol	BSG
Synonyms	BSG; basigin (Ok blood group); OK; 5F7; TCSF; CD147; EMPRIN; HAb18G;

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	EMMPRIN; basigin; OK blood group antigen; collagenase stimulatory factor; extracellular matrix metalloproteinase inducer; hepatoma-associated antigen; leukocyte activation antigen M6; tumor cell-derived collagenase stimulatory factor
Gene ID	682
mRNA Refseq	NM_001322243
Protein Refseq	NP_001309172
MIM	109480
UniProt ID	P35613
FC	 Streptavidin coated beads conjugated to biotinylated anti-human EMMPRIN/CD147 Monoclonal Antibody were stained with the indicated concentrations of Recombinant Human EMMPRIN/CD147 Fc Chimera Alexa Fluor® 647.

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SDS-PAGE



2 μg/lane of Recombinant Human EMMPRIN/CD147 Fc Chimera His-tag Alexa Fluor® 647 Protein was resolved with SDS-PAGE under reducing (R) and non-reducing (NR) conditions and visualized by Coomassie® Blue staining, showing bands at 56-69 kDa and 112-140 kDa, respectively.

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