

## Anti-Human CD147/Emmprin DyLight® 550 conjugated BSG Antibody

Catalog Number: A00248-Dyl550

### About BSG

Emmprin, extracellular matrix metalloproteinase inducer, also known as Emmprin (BSG) or cluster of differentiation 147 (CD147) is a protein that in humans is encoded by the Emmprin gene. The human BSG gene is mapped to 19p13.3. This protein is a determinant for the Ok blood group system. BSG has been shown to be an essential receptor on red blood cells for the malaria parasite. It is a member of the immunoglobulin superfamily, with a structure related to the putative primordial form of the family. As members of the immunoglobulin superfamily, it plays fundamental roles in intercellular recognition involved in various immunologic phenomena, differentiation, and development. BSG is thought also to play a role in intercellular recognition. It also regulates several distinct functions, such as spermatogenesis, expression of the monocarboxylate transporter and the responsiveness of lymphocytes. BSG is a type I integral membrane receptor that has many ligands, including the cyclophilin (CyP) proteins Cyp-A and Cyp-B and certain integrins. It is expressed by many cell types, including epithelial cells, endothelial cells and leukocytes.

### Overview

Product Name	Anti-Human CD147/Emmprin DyLight® 550 conjugated BSG Antibody
Reactive Species	Human
Description	Boster Bio Anti-Human CD147/Emmprin DyLight® 550 conjugated BSG Antibody catalog # A00248-Dyl550. Tested in Flow Cytometry applications. This antibody reacts with Human.
Conjugate	DyLight®550
Application	Flow Cytometry
Clonality	Polyclonal
Formulation	Each vial contains 50% glycerol, 0.9% NaCl, 0.2% Na <sub>2</sub> HPO <sub>4</sub> , 0.02% NaN <sub>3</sub> .
Storage Instructions	At -20°C for one year from date of receipt. Avoid repeated freezing and thawing. Protect from light.
Host	Rabbit
Uniprot ID	P35613

### Technical Details

Immunogen	E.coli-derived human CD147/Emmprin recombinant protein (Position: E138-A323). Human CD147/Emmprin shares 51.1% and 51.9% amino acid (aa) sequence identity with mouse and rat CD147/Emmprin, respectively.
Predicted Reactive Species	Bovine
Cross Reactivity	No cross-reactivity with other proteins.
Isotype	Rabbit IgG

Form	Liquid
Concentration	0.5-1mg/ml, actual concentration vary by lot. Use suggested dilution ratio to decide dilution procedure.
Suggested Dilutions	<p>Dilute the sample so that the expected range of concentrations fall within the detection range of this kit.</p> <p>If the expected range of concentration is unknown, a pilot test should be conducted to decide the optimal dilution ratio for your samples.</p> <p>Some PubMed article(s) citing the expression level of this target are as follows:</p> <p>Boster Bio's internal QC testing used:</p> <p>Flow Cytometry, 1-3ug/1x10<sup>6</sup> cells</p>

## Anti-Human CD147/Emmprin DyLight® 550 conjugated BSG Antibody (A00248-DyI550) Images



Boster Kit Box

## 2 Publications Citing This Product

1. PubMed ID: 23123425, Ying Hz, Liu Yh, Yu B, Wang Zy, Zang Jn, Yu Ch. Food Chem Toxicol. 2013 Feb;52:53-60. Doi: 10.1016/J.Fct.2012.10.030. Epub 2012 Nov 2. Dietary Quercetin Ameliorates Nonalcoholic Steatohepatitis Induced By A High-Fat Diet In Gerbils.
2. PubMed ID: 23255920, Lu Q, Lv G, Kim A, Ha Jm, Kim S. Oncol Lett. 2013 Jan;5(1):201-207. Epub 2012 Oct 19. Expression And Clinical Significance Of Extracellular Matrix Metalloproteinase Inducer, Emmprin/Cd147, In Human Osteosarcoma.

Visit [bosterbio.com/anti-human-cd147-emmprin-dylight-550-conjugated-antibody-a00248-dyl550-boster.html](http://bosterbio.com/anti-human-cd147-emmprin-dylight-550-conjugated-antibody-a00248-dyl550-boster.html) to see all 2 publications.

## Submit a product review to Biocompare.com

Submit a review of this product to Biocompare.com to receive a \$20 Amazon.com giftcard! Your reviews help your fellow scientists make the right decisions. Thank you for your contribution.



Anti-Human CD147/Emmprin DyLight® 550 conjugated BSG Antibody