

## Mouse CD147/EMMPRIN ELISA Kit | CD147 elisa kit

Mouse CD147/EMMPRIN ELISA Kit

CATALOG #  
**AAA16226**

REACTIVITY  
**Mouse**

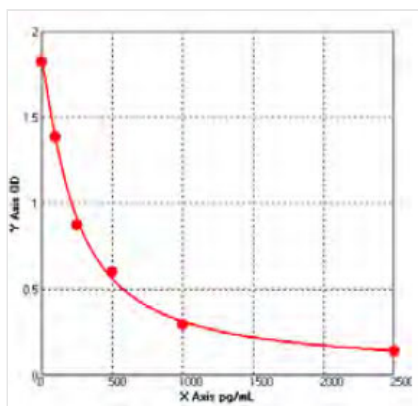
### PRODUCT SYNONYMS

CD147/EMMPRIN; Mouse CD147/EMMPRIN ELISA Kit; CD147 elisa kit

### PRODUCT SPECIFICATIONS

|                         |                                                                                                                                                                                                                                                                                                                                                                                             |
|-------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Reactivity              | Mouse                                                                                                                                                                                                                                                                                                                                                                                       |
| Specificity             | This assay has high sensitivity and excellent specificity for detection of CD147. No significant cross-reactivity or interference between CD147 and analogues was observed. NOTE: Limited by current skills and knowledge, it is impossible for us to complete the cross-reactivity detection between CD147 and all the analogues, therefore, cross reaction may still exist in some cases. |
| Samples                 | Serum, plasma, cell culture supernatants, body fluid and tissue homogenate                                                                                                                                                                                                                                                                                                                  |
| Assay Type              | Quantitative Competitive                                                                                                                                                                                                                                                                                                                                                                    |
| Sensitivity             | 1.0 pg/mL                                                                                                                                                                                                                                                                                                                                                                                   |
| Preparation and Storage | Store all reagents at 2-8 degree C.                                                                                                                                                                                                                                                                                                                                                         |

### IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

|                                                 |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
|-------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Related Product Information for CD147 elisa kit | <p>Intended Uses: This CD147 ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Mouse CD147. This ELISA kit for research use only, not for therapeutic or test applications!</p> <p>Principle of the Assay: CD147 ELISA kit applies the competitive enzyme immunoassay technique utilizing a polyclonal anti-CD147 antibody and an CD147-HRP conjugate. The assay sample and buffer are incubated together with CD147-HRP conjugate in pre-coated plate for one hour. After the incubation period, the wells are decanted and washed five times. The wells are then incubated with a substrate for HRP enzyme. The product of the enzyme-substrate reaction forms a blue colored complex. Finally, a stop solution is added to stop the reaction, which will then turn the solution yellow. The intensity of color is measured spectrophotometrically at 450nm in a microplate reader. The intensity of the color is inversely proportional to the CD147 concentration since CD147 from samples and CD147-HRP conjugate compete for the anti-CD147 antibody binding site. Since the number of sites is limited, as more sites are occupied by CD147 from the sample, fewer sites are left to bind CD147-HRP conjugate. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The CD147 concentration in each sample is interpolated from this standard curve.</p> |
| Product Categories/Family for CD147 elisa kit   | Immunology                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |

NCBI AND UNIPROT INFORMATION

|                                  |                                                                                                                                                                                                                    |
|----------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| NCBI GI #                        | 31076333                                                                                                                                                                                                           |
| NCBI GeneID                      | 682                                                                                                                                                                                                                |
| Molecular Weight                 | 22,764 Da                                                                                                                                                                                                          |
| NCBI Official Full Name          | CD147                                                                                                                                                                                                              |
| NCBI Official Synonym Full Names | basigin (Ok blood group)                                                                                                                                                                                           |
| NCBI Official Symbol             | BSG                                                                                                                                                                                                                |
| NCBI Official Synonym Symbols    | M6; OK; 5F7; TCSF; CD147; EMMPRIN                                                                                                                                                                                  |
| NCBI Protein Information         | basigin; CD147 antigen; OK blood group antigen; collagenase stimulatory factor; leukocyte activation antigen M6; extracellular matrix metalloproteinase inducer; tumor cell-derived collagenase stimulatory factor |
| UniProt Protein Name             | Basigin                                                                                                                                                                                                            |
| UniProt Gene Name                | BSG                                                                                                                                                                                                                |
| UniProt Synonym Gene Names       | UNQ6505/PRO21383; EMMPRIN; TCSF                                                                                                                                                                                    |
| UniProt Entry Name               | BASI_HUMAN                                                                                                                                                                                                         |

**For Research Use Only.** Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.