

# Human Extracellular matrix metalloproteinase Inducer/CD147 ELISA Kit | CD147/EMMPRIN elisa kit

Human Extracellular matrix metalloproteinase Inducer/CD147 ELISA Kit

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|------------------------------|----------------------------|
| CATALOG #<br><b>AAA87685</b> | REACTIVITY<br><b>Human</b> |
|------------------------------|----------------------------|

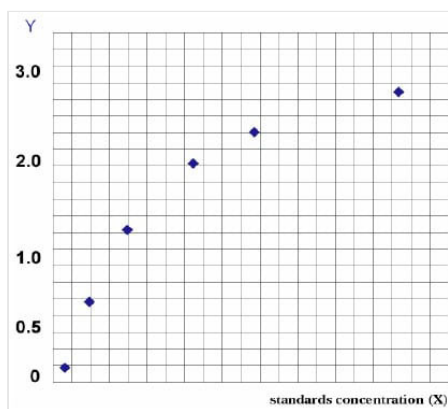
## PRODUCT SYNONYMS

Extracellular matrix metalloproteinase Inducer/CD147; Human Extracellular matrix metalloproteinase Inducer/CD147 ELISA Kit; CD147/EMMPRIN elisa kit

## PRODUCT SPECIFICATIONS

|                         |                                                                            |
|-------------------------|----------------------------------------------------------------------------|
| Reactivity              | Human                                                                      |
| Samples                 | Serum, plasma, Cell Culture Supernatants, body fluid and tissue homogenate |
| Assay Type              | Competitive                                                                |
| Detection Range         | 100-2500pg/mL                                                              |
| Sensitivity             | 1.0pg/mL                                                                   |
| Preparation and Storage | Store all reagents at 2-8 degree C.                                        |

## IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

|                                                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
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| Related Product Information for CD147/EMMPRIN elisa kit | <p><b>Intended Uses:</b> This CD147 ELISA kit is intended Laboratory for research use only.The Stop Solution changes the color from blue to yellow and the intensity of the color is measured at 450 nm using a spectrophotometer. In order to measure the concentration ofCD147 in the sample, thisCD147 ELISA Kit includes a set of calibration standards. The calibration standards are assayed at the same time as the samples and allow the operator to produce a standard curve of Optical Density versusCD147 concentration. The concentration ofCD147 in the samples is then determined by comparing the O.D. of the samples to the standard curve.</p> <p><b>Principle of the Assay:</b> This CD147 enzyme linked immunosorbent assay applies a technique called a quantitative sandwich immunoassay. The microtiter plate provided in this kit has been pre-coated with a monoclonal antibody specific forCD147. Standards or samples are then added to the microtiter plate wells andCD147 if present, will bind to the antibody pre-coated wells. In order to quantitatively determine the amount ofCD147 present in the sample, a standardized preparation of horseradish peroxidase (HRP)-conjugated polyclonal antibody, specific forCD147 are added to each well to "sandwich" theCD147 immobilized on the plate. The microtiter plate undergoes incubation, and then the wells are thoroughly washed to remove all unbound components. Next, A and B substrate solution is added to each well. The enzyme (HRP) and substrate are allowed to react over a short incubation period.Only those wells that containCD147 and enzyme-conjugated antibody will exhibit a change in colour. The enzyme-substrate reaction is terminated by the addition of a sulphuric acid solution and the colour change is measured spectrophotometrically at a wavelength of 450 nm.</p> |
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NCBI AND UNIPROT INFORMATION

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|----------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 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.