

## Rat Basigin (BSG) ELISA Kit

Catalog No: #EK11326



Package Size: #EK11326-1 48T #EK11326-2 96T

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## Description

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| Product Name       | Rat Basigin (BSG) ELISA Kit                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| Brief Description  | ELISA Kit                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| Applications       | ELISA                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| Species Reactivity | Rat ( <i>Rattus norvegicus</i> )                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| Other Names        | 5F7; CD147; EMMPRIN; M6; OK; TCSF; CD147 antigen M6 leukocyte activation antigen OK blood group antigen basigin collagenase stimulatory factor extracellular matrix metalloproteinase inducer                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| Accession No.      | Q28740                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| Uniprot            | Q28740                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| GeneID             | 100009229;                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| Storage            | The stability of ELISA kit is determined by the loss rate of activity. The loss rate of this kit is less than 5% within the expiration date under appropriate storage condition.<br><br>The loss rate was determined by accelerated thermal degradation test. Keep the kit at 37C for 4 and 7 days, and compare O.D.values of the kit kept at 37C with that of at recommended temperature. (referring from China Biological Products Standard, which was calculated by the Arrhenius equation. For ELISA kit, 4 days storage at 37C can be considered as 6 months at 2 - 8C, which means 7 days at 37C equaling 12 months at 2 - 8C). |

## Application Details

Detect Range:15.6-1000 pg/mL

Sensitivity:5.5 pg/mL

Sample Type:Serum, Plasma, Other biological fluids

Sample Volume: 1-200 µL

Assay Time:1-4.5h

Detection wavelength:450 nm

## Product Description

**Detection Method:**SandwichTest principle:This assay employs a two-site sandwich ELISA to quantitate BSG in samples. An antibody specific for BSG has been pre-coated onto a microplate. Standards and samples are pipetted into the wells and anyBSG present is bound by the immobilized antibody. After removing any unbound substances, a biotin-conjugated antibody specific for BSG is added to the wells. After washing, Streptavidin conjugated Horseradish Peroxidase (HRP) is added to the wells. Following a wash to remove any unbound avidin-enzyme reagent, a substrate solution is added to the wells and color develops in proportion to the amount of BSG bound in the initial step. The color development is stopped and the intensity of the color is measured.**Product Overview:**Basigin 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 play fundamental roles in intercellular recognition involved in various immunologic phenomena, differentiation, and development, basigin is thought also to play a role in intercellular recognition.It has a variety of functions. In addition to its metalloproteinase-inducing ability, basigin also regulates several distinct functions, such as spermatogenesis, expression of the monocarboxylate transporter and the responsiveness of lymphocytes.Basigin is a type I integral membrane receptor that has many ligands, including the cyclophilin proteins Cyp-A and Cyp-B and certain integrins.

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Note: This product is for in vitro research use only