

## Mouse EPCAM ELISA Kit | EPCAM elisa kit

Mouse EPCAM (Epithelial Cell Adhesion Molecule) ELISA Kit

CATALOG #  
**AAA21520**

REACTIVITY  
**Mouse**

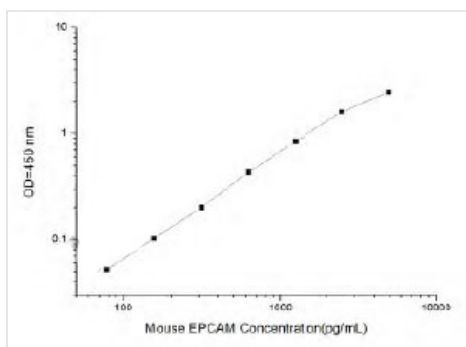
### PRODUCT SYNONYMS

EPCAM; Mouse EPCAM (Epithelial Cell Adhesion Molecule) ELISA Kit; EPCAM elisa kit

### PRODUCT SPECIFICATIONS

|                         |                                                                                                                                                                            |
|-------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Reactivity              | Mouse                                                                                                                                                                      |
| Specificity             | This kit recognizes Mouse EPCAM in samples. No significant cross-reactivity or interference between Mouse EPCAM and analogues was observed.                                |
| Sequence Length         | 314                                                                                                                                                                        |
| Assay Type              | Quantitative Sandwich                                                                                                                                                      |
| Samples                 | Serum, plasma and other biological fluids                                                                                                                                  |
| Detection Range         | 78.13-5000pg/mL                                                                                                                                                            |
| Sensitivity             | 46.88pg/mL                                                                                                                                                                 |
| Intra-assay Precision   | Intra-assay Precision (Precision within an assay): 3 samples with low, mid-range and high-level Mouse EPCAM were tested 20 times on one plate, respectively.               |
| Inter-assay Precision   | Inter-assay Precision (Precision between assays): 3 samples with low, mid-range and high-level Mouse EPCAM were tested on 3 different plates, 20 replicates in each plate. |
| Preparation and Storage | Store at 4 degree C.                                                                                                                                                       |

### IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

|                                                 |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
|-------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Related Product Information for EPCAM elisa kit | <p>Principle of the Assay: This ELISA kit uses the Sandwich-ELISA principle. The micro ELISA plate provided in this kit has been pre-coated with an antibody specific to Mouse EPCAM. Standards or samples are added to the micro ELISA plate wells and combined with the specific antibody. Then a biotinylated detection antibody specific for Mouse EPCAM and Avidin-Horseradish Peroxidase (HRP) conjugate are added successively to each micro plate well and incubated. Free components are washed away. The substrate solution is added to each well. Only those wells that contain Mouse EPCAM, biotinylated detection antibody and Avidin-HRP conjugate will appear blue in color. The enzyme-substrate reaction is terminated by the addition of stop solution and the color turns yellow. The optical density (OD) is measured spectrophotometrically at a wavelength of 450 nm ± 2 nm. The OD value is proportional to the concentration of Mouse EPCAM. You can calculate the concentration of Mouse EPCAM in the samples by comparing the OD of the samples to the standard curve.</p> <p>Intended Uses: This ELISA kit applies to the in vitro quantitative determination of Mouse EPCAM concentrations in serum, plasma and other biological fluids.</p> |
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NCBI AND UNIPROT INFORMATION

|                                  |                                                                                                                                                                                                                                                                                                                                                   |
|----------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| NCBI GI #                        | 218505670                                                                                                                                                                                                                                                                                                                                         |
| NCBI GeneID                      | 4072                                                                                                                                                                                                                                                                                                                                              |
| NCBI Accession #                 | NP_002345.2                                                                                                                                                                                                                                                                                                                                       |
| NCBI GenBank Nucleotide #        | NM_002354.2                                                                                                                                                                                                                                                                                                                                       |
| UniProt Accession #              | P16422; P18180; Q6FG26; Q6FG49; Q96C47; Q9UCD0                                                                                                                                                                                                                                                                                                    |
| Molecular Weight                 | 34,932 Da                                                                                                                                                                                                                                                                                                                                         |
| NCBI Official Full Name          | epithelial cell adhesion molecule                                                                                                                                                                                                                                                                                                                 |
| NCBI Official Synonym Full Names | epithelial cell adhesion molecule                                                                                                                                                                                                                                                                                                                 |
| NCBI Official Symbol             | EPCAM                                                                                                                                                                                                                                                                                                                                             |
| NCBI Official Synonym Symbols    | ESA; KSA; M4S1; MK-1; DIAR5; EGP-2; EGP40; KS1/4; MIC18; TROP1; EGP314; HNPCC8; TACSTD1                                                                                                                                                                                                                                                           |
| NCBI Protein Information         | epithelial cell adhesion molecule; adenocarcinoma-associated antigen; cell surface glycoprotein Trop-1; epithelial glycoprotein 314; human epithelial glycoprotein-2; major gastrointestinal tumor-associated protein GA733-2; membrane component, chromosome 4, surface marker (35kD glycoprotein); tumor-associated calcium signal transducer 1 |
| UniProt Protein Name             | Epithelial cell adhesion molecule                                                                                                                                                                                                                                                                                                                 |
| UniProt Gene Name                | EPCAM                                                                                                                                                                                                                                                                                                                                             |
| UniProt Synonym Gene Names       | GA733-2; M1S2; M4S1; MIC18; TACSTD1; TROP1; Ep-CAM; EGP; EGP314; hEGP314                                                                                                                                                                                                                                                                          |
| UniProt Entry Name               | EPCAM_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.