

## Human CD326 ELISA Kit | EPCAM elisa kit

Human CD326 ELISA Kit

CATALOG #  
**AAA263039**

REACTIVITY  
**Human**

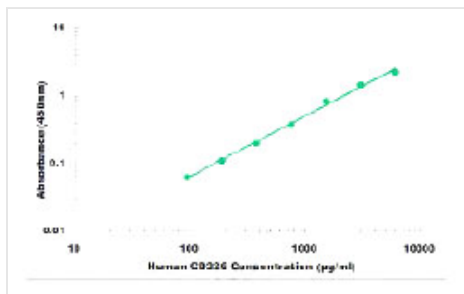
### PRODUCT SYNONYMS

CD326; Human CD326 ELISA Kit; GA733-2; M1S2; M4S1; MIC18; TACSTD1; TROP1; Epithelial cell adhesion molecule; Ep-CAM; Adenocarcinoma-associated antigen; Cell surface glycoprotein Trop-1; Epithelial cell surface antigen; Epithelial glycoprotein; EGP; Epithelial glycoprotein 314; EGP314; hEGP314; KS 1/4 antigen; KSA; Major gastrointestinal tumor-associated protein GA733-2; Tumor-associated calcium signal transducer 1; EPCAM elisa kit

### PRODUCT SPECIFICATIONS

|                         |                                                                                                                                                                                            |
|-------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Reactivity              | Human                                                                                                                                                                                      |
| Specificity             | The Human CD326 ELISA Kit allows for the detection and quantification of endogenous levels of natural and/or recombinant Human CD326 proteins within the range of 93.7 pg/ml - 6000 pg/ml. |
| Sequence Length         | 314                                                                                                                                                                                        |
| Samples                 | Cell Culture Supernates, Serum, Plasma                                                                                                                                                     |
| Sensitivity             | <10 pg/ml                                                                                                                                                                                  |
| Preparation and Storage | Shipped and store at 4 degree C for 6 months, store at -20 degree C for one year. Avoid freeze/thaw cycles.                                                                                |

### IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

|                                                 |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
|-------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Related Product Information for EPCAM elisa kit | <p>Principle of the Assay: The Human CD326 ELISA (Enzyme-Linked Immunosorbent Assay) kit is an in vitro enzyme-linked immunosorbent assay for the quantitative measurement of Human CD326 in Cell Culture Supernates, Serum, Plasma. This assay employs an antibody specific for Human CD326 coated on a 96-well plate. Standards and samples are pipetted into the wells and CD326 present in a sample is bound to the wells by the immobilized antibody. The wells are washed and biotinylated anti-Human CD326 antibody is added. After washing away unbound biotinylated antibody, HRP-conjugated streptavidin is pipetted to the wells. The wells are again washed, a TMB substrate solution is added to the wells and color develops in proportion to the amount of CD326 bound. The Stop Solution changes the color from blue to yellow, and the intensity of the color is measured at 450 nm.</p> <p>Background: Epithelial cell adhesion molecule (EpCAM) is a transmembrane glycoprotein mediating Ca2+-independent homotypic cell-cell adhesion in epithelia. Also it is involved in cell signaling, migration, proliferation, and differentiation. Additionally, EpCAM has oncogenic potential via its capacity to upregulate c-myc, e-fabp, and cyclins A &amp; E. Since it is expressed exclusively in epithelia and epithelial-derived neoplasms, EpCAM can be used as marker for various cancers. It appears to play a role in tumorigenesis and metastasis of carcinomas, so it can also act as a potential prognostic marker and as a potential target for immunotherapeutic strategies.</p> |
|-------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|

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                                                       |
| 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.