

## Human Integrin beta-1 ELISA Kit | ITGB1 elisa kit

Human Integrin beta-1 ELISA Kit

CATALOG #  
**AAA23316**

REACTIVITY  
**Human**

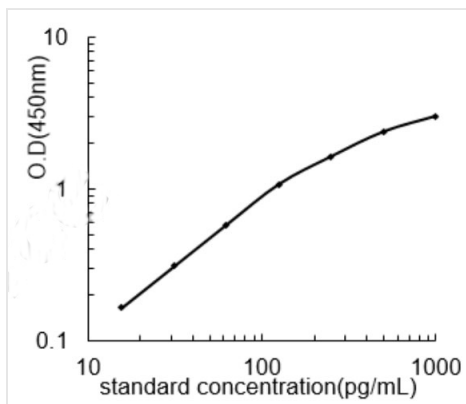
### PRODUCT SYNONYMS

Integrin beta-1; Human Integrin beta-1 ELISA Kit; Fibronectin receptor subunit beta; VLA-4 subunit beta; ITGB1; FNRB; MDF2; MSK12; GPIIA; CD29; ITGB1 elisa kit

### PRODUCT SPECIFICATIONS

|                         |                                                                                       |
|-------------------------|---------------------------------------------------------------------------------------|
| Reactivity              | Human                                                                                 |
| Specificity             | Recombinant and natural Human Integrin beta-1                                         |
| Sequence Length         | 798                                                                                   |
| Samples                 | Serum, plasma, tissue homogenates, cell culture supernates or other biological fluids |
| Detection Range         | 15.6-1000 pg/mL                                                                       |
| Sensitivity             | < 10 pg/mL                                                                            |
| Intra-assay Precision   | <=5.5%                                                                                |
| Inter-assay Precision   | <=8.6%                                                                                |
| Preparation and Storage | For long term storage, please store the entire kit at -20 degree C.                   |

### IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

|                                                 |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
|-------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Related Product Information for ITGB1 elisa kit | <p>Principle of the Assay: The microtiter plate provided in this kit has been pre-coated with an antibody specific to target antigen. Standards or samples are then added to the appropriate microtiter plate wells with a biotin-conjugated antibody preparation specific for target antigen and then avidin conjugated to Horseradish Peroxidase (HRP) is added to each microplate well and incubated. Then a TMB substrate solution is added to each well. Only those wells that contain target antigen, biotin-conjugated antibody and enzyme-conjugated Avidin will exhibit a change in color. The enzyme-substrate reaction is terminated by the addition of a sulphuric acid solution and the color change is measured spectrophotometrically at a wavelength of 450 nm ± 2 nm. The concentration of target antigen in the samples is then determined by comparing the O.D. of the samples to the standard curve.</p> <p>Intended Uses: This immunoassay kit allows for the in vitro quantitative determination of target antigen concentrations in serum, plasma, tissue homogenates, cell culture supernates or other biological fluids.</p> |
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NCBI AND UNIPROT INFORMATION

|                            |                                                                                                |
|----------------------------|------------------------------------------------------------------------------------------------|
| NCBI GI #                  | 19743813                                                                                       |
| NCBI GeneID                | 3688                                                                                           |
| NCBI Accession #           | NP_002202.2                                                                                    |
| NCBI GenBank Nucleotide #  | NM_002211.3                                                                                    |
| UniProt Accession #        | P05556; P78466; P78467; Q13089; Q13090; Q13091; Q13212; A8K6N2; D3DRX9; D3DRY3; D3DRY4; D3DRY5 |
| Molecular Weight           | 88,884 Da                                                                                      |
| NCBI Official Full Name    | integrin beta-1 isoform 1A                                                                     |
| UniProt Protein Name       | Integrin beta-1                                                                                |
| UniProt Gene Name          | ITGB1                                                                                          |
| UniProt Synonym Gene Names | FNRB; MDF2; MSK12; GPIIA                                                                       |
| UniProt Entry Name         | ITB1_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.