

## Human Intergrin Alpha 5/CD49E ELISA Kit | ITGA5 elisa kit

Human Intergrin Alpha 5/CD49E ELISA Kit PicoKine

|                               |                            |                              |
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| CATALOG #<br><b>AAA127979</b> | REACTIVITY<br><b>Human</b> | APPLICATIONS<br><b>ELISA</b> |
|-------------------------------|----------------------------|------------------------------|

### PRODUCT SYNONYMS

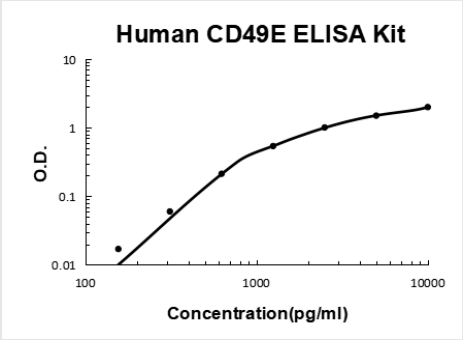
Intergrin Alpha 5/CD49E; Human Intergrin Alpha 5/CD49E ELISA Kit PicoKine; ITGA5 elisa kit

### PRODUCT SPECIFICATIONS

|                                                   |                                                                                                                                                                                                                                                                                                                                                                                                  |
|---------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Reactivity                                        | Human                                                                                                                                                                                                                                                                                                                                                                                            |
| Samples                                           | cell culture supernatants, serum and plasma (heparin, EDTA)                                                                                                                                                                                                                                                                                                                                      |
| Assay Range                                       | 156pg/ml-10,000pg/ml                                                                                                                                                                                                                                                                                                                                                                             |
| Sensitivity                                       | <75pg/ml                                                                                                                                                                                                                                                                                                                                                                                         |
| Capture antibody and Detection antibody           | a polyclonal antibody from goat a biotinylated polyclonal antibody from goat                                                                                                                                                                                                                                                                                                                     |
| Immunogen                                         | Expression system for standard: NS0; Immunogen sequence: F42-Y995                                                                                                                                                                                                                                                                                                                                |
| Anticoagulant                                     | heparin or EDTA                                                                                                                                                                                                                                                                                                                                                                                  |
| Cross Reactivity                                  | There is no detectable cross-reactivity with other relevant proteins.                                                                                                                                                                                                                                                                                                                            |
| Applicable Applications for ITGA5 elisa kit       | ELISA                                                                                                                                                                                                                                                                                                                                                                                            |
| Kit Components                                    | Description/Quantity<br>Pre-coated 96-well strip microplate/1<br>Standard/2 vials, 10 ng/tube<br>Biotinylated antibody (100x)/100ul<br>Avidin-Biotin-Peroxidase Complex (100x)/100ul<br>Sample Diluent/30ml<br>Antibody Diluent/12ml<br>Avidin-Biotin-Peroxidase Diluent/12ml<br>Color Developing Reagent (TMB)/10ml<br>Stop Solution/10ml<br>Wash Buffer (25x)/20ml<br>Adhesive plate sealers/4 |
| Materials Required But Not Provided               | Microplate Reader capable of reading absorbance at 450nm.<br>Incubator.<br>Automated plate washer (optional).<br>Pipettes and pipette tips capable of precisely dispensing 0.5ul through 1ml volumes of aqueous solutions.<br>Multichannel pipettes are recommended for large amount of samples.<br>Deionized or distilled water.<br>500ml graduated cylinders.<br>Test tubes for dilution.      |
| Sample Data                                       | Concentration(pg/ml)01563126251,2502,5005,00010,000O.D.0.0240.0410.0840.2370.5641.0331.5252.022                                                                                                                                                                                                                                                                                                  |
| Intra Assay Consistency & Inter Assay Consistency | Intra-Assay PrecisionInter-Assay Precision<br>Sample123123n161616242424Mean(pg/ml)24250228652075794142Standard deviation18.2739.11115.4613.5032.48277.93CV(%)7.6%7.8%4%6.5%5.6%6.7%                                                                                                                                                                                                              |

|                         |                                                                                                                                                                                                                                             |
|-------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Reproducibility         | LotsLot 1 (pg/ml)Lot 2 (pg/ml)Lot 3 (pg/ml)Lot 4 (pg/ml)Mean (pg/ml)Standard DeviationCV (%)Sample<br>12421661802152019.234.6%Sample 250252746738547032.927%Sample<br>328654075458225633521196.495.6%*number of samples for each test n=16. |
| Preparation and Storage | Store at 4 degree C for 6 months, at -20 degree C for 12 months. Avoid multiple freeze-thaw cycles (Ships with gel ice, can store for up to 3 days in room temperature. Freeze upon receiving.)                                             |

IMAGES



Standard Curve (Sample)  
Human CD49E PicoKine ELISA Kit standard curve

ADDITIONAL INFORMATION

|                                                 |                                                                                                                                                                                                                                                                                     |
|-------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Related Product Information for ITGA5 elisa kit | The brand Picokine indicates this is a premium quality ELISA kit. Each Picokine kit delivers precise quantification, high sensitivity, and excellent reproducibility. Only our most reliable and effective kits qualify as Picokine, guaranteeing top-tier results for your assays. |
| Product Categories/Family for ITGA5 elisa kit   | <a href="#">PicoKine ELISA Kits</a>                                                                                                                                                                                                                                                 |

NCBI AND UNIPROT INFORMATION

|                                  |                                                                                                                                                                                                      |
|----------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| NCBI GI #                        | <a href="#">56237029</a>                                                                                                                                                                             |
| NCBI GeneID                      | <a href="#">3678</a>                                                                                                                                                                                 |
| NCBI Accession #                 | <a href="#">NP_002196.2</a>                                                                                                                                                                          |
| NCBI GenBank Nucleotide #        | <a href="#">NM_002205.2</a>                                                                                                                                                                          |
| UniProt Accession #              | <a href="#">P08648; Q96HA5</a>                                                                                                                                                                       |
| Molecular Weight                 | 114,536 Da                                                                                                                                                                                           |
| NCBI Official Full Name          | integrin alpha-5                                                                                                                                                                                     |
| NCBI Official Synonym Full Names | integrin, alpha 5 (fibronectin receptor, alpha polypeptide)                                                                                                                                          |
| NCBI Official Symbol             | ITGA5                                                                                                                                                                                                |
| NCBI Official Synonym Symbols    | FNRA; CD49e; VLA5A                                                                                                                                                                                   |
| NCBI Protein Information         | integrin alpha-5; VLA-5; integrin alpha-F; CD49 antigen-like family member E; fibronectin receptor subunit alpha; fibronectin receptor, alpha subunit; very late activation protein 5, alpha subunit |
| UniProt Protein Name             | Integrin alpha-5                                                                                                                                                                                     |
| UniProt Gene Name                | <b>ITGA5</b>                                                                                                                                                                                         |
| UniProt Synonym Gene Names       | FNRA                                                                                                                                                                                                 |
| UniProt Entry Name               | ITA5_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.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | [contact@aaabiotech.com](mailto:contact@aaabiotech.com)

Online datasheet: <https://www.aaabiotech.com/itga5-human-elisa-kits/intergrin-alpha-5-cd49e/127979>