

## Human CD97 ELISA Kit | CD97 elisa kit

Human CD97 ELISA Kit

CATALOG #  
**AAA258426**

REACTIVITY  
**Human**

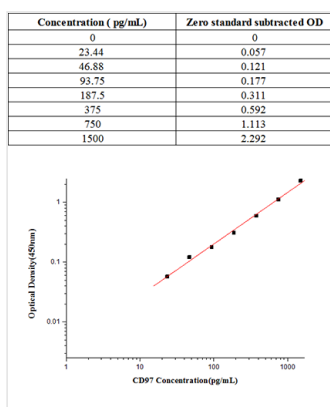
### PRODUCT SYNONYMS

CD97; Human CD97 ELISA Kit; CD97 ELISA Kit; Human; adhesion G protein-coupled receptor E5; TM7LN1 ELISA Kit; CD97 elisa kit

### PRODUCT SPECIFICATIONS

|                    |                                                                                                                                                                                                                                                                                                                                           |
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| Reactivity         | Human                                                                                                                                                                                                                                                                                                                                     |
| Specificity        | For the quantitative determination of Human CD97 concentration in serum.                                                                                                                                                                                                                                                                  |
| Assay Type         | Solid Phase Sandwich ELISA (quantitative)                                                                                                                                                                                                                                                                                                 |
| Sample Types       | Serum                                                                                                                                                                                                                                                                                                                                     |
| Detection Range    | 23.44-1500pg/mL                                                                                                                                                                                                                                                                                                                           |
| Sensitivity        | 15.80pg/mL                                                                                                                                                                                                                                                                                                                                |
| Conjugation        | HRP                                                                                                                                                                                                                                                                                                                                       |
| Materials Provided | <ol style="list-style-type: none"> <li>1. 96 well microplate coated with Capture Antibody</li> <li>2. Detection Antibody conjugated to HRP</li> <li>3. Standards</li> <li>4. Wash Buffer Concentrate</li> <li>5. Dilution Buffer Concentrate</li> <li>6. Color Reagent A</li> <li>7. Color Reagent B</li> <li>8. Stop Solution</li> </ol> |

### IMAGES



#### Standard Curve (Sample)

This standard curve is only for demonstration purposes. A standard curve should be generated for each assay.

ADDITIONAL INFORMATION

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|------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Related Product Information for CD97 elisa kit | <p>This CD97 ELISA Kit, Human is an enzyme-linked immunosorbent assay for the quantitative measurement of Human CD97 protein in Serum. It contains recombinant Human CD97, and antibodies raised against the recombinant protein. This ELISA kit is complete and ready-to-use.</p> <p>Background: The cluster of differentiation (CD) system is commonly used as cell markers in immunophenotyping. Different kinds of cells in the immune system can be identified through the surface CD molecules which associating with the immune function of the cell. There are more than 32 CD unique clusters and subclusters have been identified. Some of the CD molecules serve as receptors or ligands important to the cell through initiating a signal cascade which then alter the behavior of the cell. Some CD proteins do not take part in cell signal process but have other functions such as cell adhesion. The CD97 is a receptor predominantly expressed in leukocytes and belongs to a new group of seven-span transmembrane molecules, which is also designed EGF-TM7 family. The family members are characterized by an extended extracellular region with several N-terminal epidermal growth factor-like domains two of which contain a calcium-binding site. Mature CD 97 has two noncovalently associated subunits and is composed of a large extracellular protein (CD97 alpha) and a seven-membrane spanning protein (CD97 beta). CD97 is considered as a defining feature of G protein-coupled receptors. The effects that lymphocytes and erythrocytes adhere to CD97-transfected COS cells suggest that CD97 has the ability to bind cellular ligands. CD97 alpha has three alternatively spliced isoforms that are related to the calcium-binding EGF-like repeats in the microfibril protein fibrillin. Leukocytes strongly positive for CD97 are concentrated at sites of inflammation relative to CD97 expression in normal lymphoid tissues.</p> |
| References                                     | <p>Ho IC, et al. (2009) GATA3 and the T-cell lineage: essential functions before and after T-helper-2-cell differentiation. Nat Rev Immunol. 9 (2): 125-35.</p> <p>Matesanz-Isabel J, et al. (2011) New B-cell CD molecules. Immunology Letters.134 (2): 104-12.</p> <p>Gray JX, et al. (1996) CD97 is a processed, seven-transmembrane, heterodimeric receptor associated with inflammation. The journal of Immunology. 157 (12): 5438-47.</p> <p>Hamann J, et al. (1998) Characterization of the CD55 (DAF)-binding site on the seven-span transmembrane receptor CD97.European Journal of Immunology. 28 (5): 1701-7.</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |

**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.

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Online datasheet: <https://stage.aaabiotech.com/human-elisa-kits/cd97/258426>