

## Monkey Cluster of Differentiation 8 ELISA Kit | CD8 elisa kit

Monkey Cluster of Differentiation 8 ELISA Kit

CATALOG #  
**AAA91496**

REACTIVITY  
**Monkey**

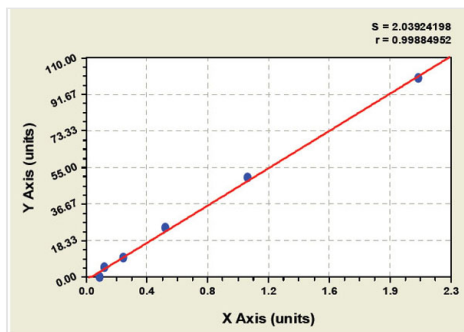
### PRODUCT SYNONYMS

Cluster of Differentiation 8; Monkey Cluster of Differentiation 8 ELISA Kit; CD8 elisa kit

### PRODUCT SPECIFICATIONS

|                         |                                                                                                                                                                                       |
|-------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Reactivity              | Monkey                                                                                                                                                                                |
| Samples                 | Serum, plasma, Cell Culture Supernatants, body fluid and tissue homogenate                                                                                                            |
| Assay Type              | Sandwich                                                                                                                                                                              |
| Detection Range         | 5.0-100ng/mL                                                                                                                                                                          |
| Sensitivity             | 1.0ng/mL                                                                                                                                                                              |
| Intended Uses           | This CD8 ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Monkey CD8. This ELISA kit for research use only, not for therapeutic applications! |
| Preparation and Storage | Store all reagents at 2-8 degree C.                                                                                                                                                   |

### IMAGES



Standard Curve (Sample)

### ADDITIONAL INFORMATION

#### Related Product Information for CD8 elisa kit

**Principle of the Assay:** CD8 ELISA kit applies the quantitative sandwich enzyme immunoassay technique. The microtiter plate has been pre-coated with a monoclonal antibody specific for CD8. Standards or samples are then added to the microtiter plate wells and CD8 if present, will bind to the antibody pre-coated wells. In order to quantitatively determine the amount of CD8 present in the sample, a standardized preparation of horseradish peroxidase (HRP) -conjugated polyclonal antibody, specific for CD8 are added to each well to "sandwich" the CD8 immobilized on the plate. The microtiter plate undergoes incubation, and then the wells are thoroughly washed to remove all unbound components. Next, substrate solutions are added to each well. The enzyme (HRP) and substrate are allowed to react over a short incubation period. Only those wells that contain CD8 and enzyme-conjugated antibody will exhibit a change in color. The enzyme-substrate reaction is terminated by addition of a sulphuric acid solution and the color change is measured spectrophotometrically at a wavelength of 450 nm. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The CD8 concentration in each sample is interpolated from this standard curve.

NCBI AND UNIPROT INFORMATION

|                                  |                                                                                                                                 |
|----------------------------------|---------------------------------------------------------------------------------------------------------------------------------|
| NCBI GI #                        | 178673                                                                                                                          |
| NCBI GeneID                      | 926                                                                                                                             |
| Molecular Weight                 | 22,237 Da                                                                                                                       |
| NCBI Official Full Name          | CD8 antigen, partial                                                                                                            |
| NCBI Official Synonym Full Names | CD8b molecule                                                                                                                   |
| NCBI Official Symbol             | CD8B                                                                                                                            |
| NCBI Official Synonym Symbols    | LY3; P37; LEU2; LYT3; CD8B1                                                                                                     |
| NCBI Protein Information         | T-cell surface glycoprotein CD8 beta chain; CD8 antigen, beta polypeptide 1 (p37); T lymphocyte surface glycoprotein beta chain |
| UniProt Protein Name             | T-cell surface glycoprotein CD8 beta chain                                                                                      |
| UniProt Gene Name                | <b>CD8B</b>                                                                                                                     |
| UniProt Synonym Gene Names       | CD8B1                                                                                                                           |
| UniProt Entry Name               | CD8B_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.