

## Bovine Lymphocyte function associated antigen 3 ELISA Kit | LFA-3 elisa kit

Bovine Lymphocyte function associated antigen 3 ELISA Kit

CATALOG #  
**AAA88232**

REACTIVITY  
**Bovine**

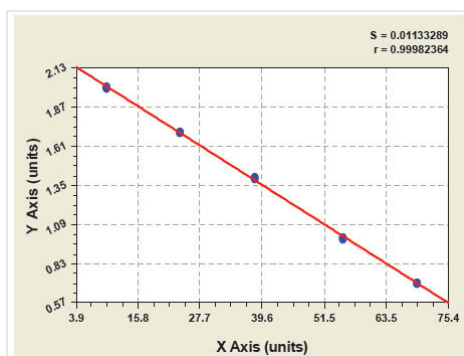
### PRODUCT SYNONYMS

Lymphocyte function associated antigen 3; Bovine Lymphocyte function associated antigen 3 ELISA Kit; LFA-3 elisa kit

### PRODUCT SPECIFICATIONS

|                         |                                                                                                                                                                                           |
|-------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Reactivity              | Bovine                                                                                                                                                                                    |
| Samples                 | Serum, plasma, Cell Culture Supernatants, body fluid and tissue homogenate                                                                                                                |
| Assay Type              | Competitive                                                                                                                                                                               |
| Sensitivity             | 1.0 ng/mL.                                                                                                                                                                                |
| Intended Uses           | This LFA-3 ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Bovine LFA-3. 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 LFA-3 elisa kit

**Principle of the assay:** LFA-3 ELISA kit applies the competitive enzyme immunoassay technique utilizing a monoclonal anti-LFA-3 antibody and an LFA-3-HRP conjugate. The assay sample and buffer are incubated together with LFA-3-HRP conjugate in pre-coated plate for one hour. After the incubation period, the wells are decanted and washed five times. The wells are then incubated with a substrate for HRP enzyme. The product of the enzyme-substrate reaction forms a blue colored complex. Finally, a stop solution is added to stop the reaction, which will then turn the solution yellow. The intensity of color is measured spectrophotometrically at 450nm in a microplate reader. The intensity of the color is inversely proportional to the LFA-3 concentration since LFA-3 from samples and LFA-3-HRP conjugate compete for the anti-LFA-3 antibody binding site. Since the number of sites is limited, as more sites are occupied by LFA-3 from the sample, fewer sites are left to bind LFA-3-HRP conjugate. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The LFA-3 concentration in each sample is interpolated from this standard curve.

#### Product Categories/Family for LFA-3 elisa kit

Immunology

NCBI AND UNIPROT INFORMATION

|                                  |                                                                                                                                |
|----------------------------------|--------------------------------------------------------------------------------------------------------------------------------|
| NCBI GI #                        | 4502677                                                                                                                        |
| NCBI GeneID                      | 965                                                                                                                            |
| NCBI Accession #                 | NP_001770.1                                                                                                                    |
| NCBI GenBank Nucleotide #        | NM_001779.2                                                                                                                    |
| Molecular Weight                 | 27,960 Da                                                                                                                      |
| NCBI Official Full Name          | lymphocyte function-associated antigen 3 isoform 1                                                                             |
| NCBI Official Synonym Full Names | CD58 molecule                                                                                                                  |
| NCBI Official Symbol             | CD58                                                                                                                           |
| NCBI Official Synonym Symbols    | ag3; LFA3; LFA-3                                                                                                               |
| NCBI Protein Information         | lymphocyte function-associated antigen 3; surface glycoprotein LFA-3; CD58 antigen, (lymphocyte function-associated antigen 3) |
| UniProt Protein Name             | Lymphocyte function-associated antigen 3                                                                                       |
| UniProt Gene Name                | CD58                                                                                                                           |
| UniProt Synonym Gene Names       | LFA3; Ag3                                                                                                                      |
| UniProt Entry Name               | LFA3_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://stage.aaabiotech.com/lfa-3-bovine-ovine-elisa-kits/lymphocyte-function-associated-antigen-3/88232>