

## LFA 3 Human

**Description:** Lymphocyte Function-Associated Antigen-3 Fusion Protein Recombinant Human is produced by recombinant DNA technology in a Chinese Hamster Ovary (CHO) mammalian cell expression system. The molecular weight is 91.4 kDa. Recombinant LFA3 is purified by proprietary chromatographic techniques.

**Catalog #:** CYPs-430

For research use only.

**Synonyms:** CD58, LFA-3, Ag3, Surface glycoprotein LFA-3.

**Source:** Chinese Hamster Ovary.

**Physical Appearance:** Sterile Filtered White lyophilized (freeze-dried) powder.

**Purity:** Greater than 98.0% as determined by (a) Analysis by RP-HPLC. (b) Analysis by SDS-PAGE.

**Formulation:**

Each mg of CD58 contains 0.8mg sucrose, 0.3mg glycine, 0.25mg sodium citrate dihydrate, and 4

**Stability:**

Lyophilized LFA3 Human although stable at room temperature for 3 weeks, should be stored desiccated below -18°C. Upon reconstitution Human LFA-3 should be stored at 4°C between 2-7 days and for future use below -18°C. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Please prevent freeze-thaw cycles.

**Usage:**

NeoBiolab's products are furnished for LABORATORY RESEARCH USE ONLY. They may not be used as drugs, agricultural or pesticidal products, food additives or household chemicals.

**Solubility:**

It is recommended to reconstitute the lyophilized LFA-3 Human in sterile 18M-cm H<sub>2</sub>O not less than 100µg/ml, which can then be further diluted to other aqueous solutions.

**Introduction:**

LFA-3 is ligand of the t-lymphocyte cd2 glycoprotein. This interaction is important in mediating thymocyte interactions with thymic epithelial cells, antigen-independent and dependent interactions of t-lymphocytes with target cells and antigen- presenting cells and the t-lymphocyte rosetting with erythrocytes. In addition, the lfa-3/cd2 interaction may prime response by both the cd2+ and lfa-3+ cells.

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