

## Active Recombinant Human CD58 protein, hFc&His-tagged

**Cat. No.** CD58-1264H    **Lot. No.** (See product label)

### SPECIFICATION

|                         |                                                                                                                                                                                                                                                                                                                                                                           |
|-------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product Overview</b> | Active Recombinant Human LFA-3/CD58 Protein is produced by HEK293 expression system. The target protein is expressed with sequence (Phe 29 - Arg 215 ) of human CD58 (Accession #BC005930) fused with an Fc, 6×His tag at the C-terminus.                                                                                                                                 |
| <b>Species</b>          | Human                                                                                                                                                                                                                                                                                                                                                                     |
| <b>Source</b>           | HEK293                                                                                                                                                                                                                                                                                                                                                                    |
| <b>ProteinLength</b>    | Phe 29 - Arg 215                                                                                                                                                                                                                                                                                                                                                          |
| <b>Form</b>             | Lyophilized from a 0.22 µm filtered solution of PBS, pH 7.4.                                                                                                                                                                                                                                                                                                              |
| <b>Bio-activity</b>     | 1.Measured by its binding ability in a functional ELISA.Immobilized Human CD2 at 2 µg/mL (100 µL/well) can bind Human CD58 with a linear range of 1.22-34.4 ng/mL.<br>2.Measured by its binding ability in a functional ELISA. Immobilized CD58 (LFA-3) Monoclonal Antibody at 1 µg/mL (25 µL/well) can bind Recombinant Human CD58 with a linear range of 0.5-6.4 ng/mL. |
| <b>Molecular Mass</b>   | 65-100 kDa                                                                                                                                                                                                                                                                                                                                                                |
| <b>Endotoxin</b>        | < 0.1 EU/µg of the protein by LAL method.                                                                                                                                                                                                                                                                                                                                 |
| <b>Purity</b>           | > 95% by SDS-PAGE.                                                                                                                                                                                                                                                                                                                                                        |
| <b>Storage</b>          | Store the lyophilized protein at -20°C to -80 °C for long term.                                                                                                                                                                                                                                                                                                           |

 Tel: 1-631-559-9269    1-516-512-3133

 Email: [info@creative-biomart.com](mailto:info@creative-biomart.com)     Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

After reconstitution, the protein solution is stable at -20 °C for 3 months, at 2-8 °C for up to 1 week.

**Reconstitution** Reconstitute to a concentration of 0.1-0.5 mg/mL in sterile distilled water.

## GENE INFORMATION

**Gene Name** [CD58 CD58 molecule \[ Homo sapiens \]](#)

**Official Symbol** [CD58](#)

**Synonyms** CD58; CD58 molecule; CD58 antigen, (lymphocyte function associated antigen 3) , LFA3; lymphocyte function-associated antigen 3; surface glycoprotein LFA-3; CD58 antigen, (lymphocyte function-associated antigen 3); ag3; LFA3; LFA-3; FLJ23181; FLJ43722;

**Gene ID** [965](#)

**mRNA Refseq** [NM\\_001144822](#)

**Protein Refseq** [NP\\_001138294](#)

**MIM** [153420](#)

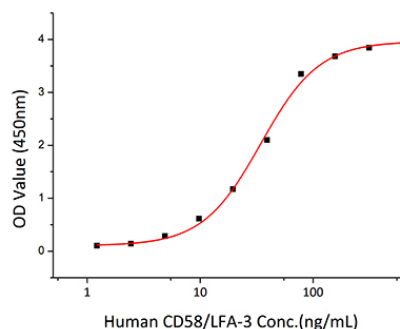
**UniProt ID** [P19256](#)

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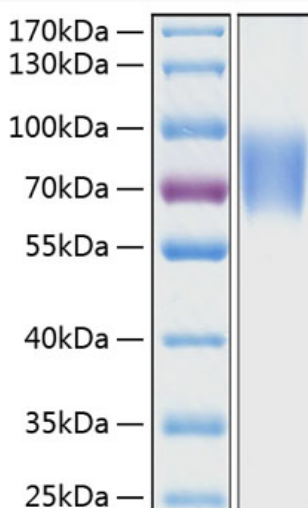
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## Activity



## SDS-PAGE



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