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Datasheet for ABIN2180813

## CD58 Protein (CD58) (AA 29-215) (His tag)

### 2 Images

#### Overview

Quantity:	100 µg
Target:	CD58
Protein Characteristics:	AA 29-215
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This CD58 protein is labelled with His tag.

#### Product Details

Sequence:	AA 29-215
Characteristics:	This protein carries a polyhistidine tag at the C-terminus. The protein has a calculated MW of 22.3 kDa. The protein migrates as 30-45 kDa under reducing (R) condition (SDS-PAGE) due to different glycosylation.
Purity:	>95 % as determined by SDS-PAGE.
Sterility:	0.22 µm filtered
Endotoxin Level:	Less than 1.0 EU per µg by the LAL method.

#### Target Details

Target:	CD58
Alternative Name:	CD58 ( <a href="#">CD58 Products</a> )

## Target Details

**Background:** CD antigen CD58 is also known as Lymphocyte function-associated antigen 3 (LFA-3). CD58 is a cell adhesion molecule expressed on Antigen Presenting Cells (APC), particularly macrophages. CD58 /LFA3 is ligand of the T-lymphocyte CD2 glycoprotein, which binds to CD2 (LFA-2) [3] on T cells and is important in strengthening the adhesion between the T cells and Professional Antigen Presenting Cells. In addition, the LFA-3/CD2 interaction may prime response by both the CD2+ and LFA-3+ cells. Polymorphisms in the CD58 gene are associated with increased risk for multiple sclerosis.

**Molecular Weight:** 22.3 kDa

## Application Details

**Restrictions:** For Research Use only

## Handling

**Format:** Lyophilized

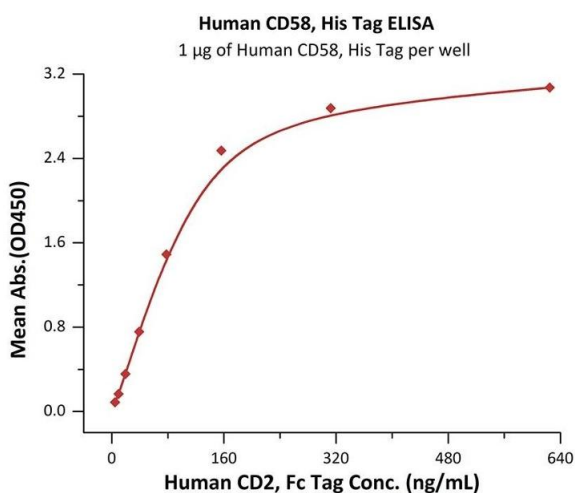
**Buffer:** PBS, pH 7.4

**Handling Advice:** Please avoid repeated freeze-thaw cycles.

**Storage:** -20 °C

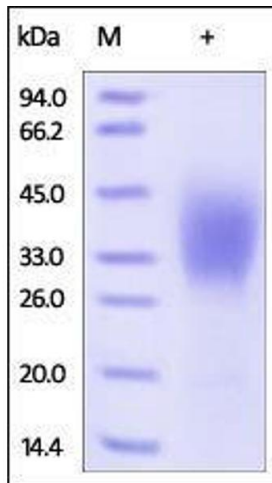
**Storage Comment:** No activity loss was observed after storage at: In lyophilized state for 1 year (4 °C), After reconstitution under sterile conditions for 3 months (-70 °C).

## Images



### ELISA

**Image 1.** Immobilized Human CD58, His Tag (ABIN2180814, ABIN2180813) at 10 µg/mL (100 µL/well) can bind Human CD2, Fc Tag (ABIN6950958, ABIN6952275) with a linear range of 5-78 ng/mL (QC tested).



### SDS-PAGE

**Image 2.** Human CD58, His Tag on SDS-PAGE under reducing (R) condition. The gel was stained overnight with Coomassie Blue. The purity of the protein is greater than 95%.