

CD58 Antibody
Rabbit Polyclonal Antibody
Catalog # ABV11450**Specification**

CD58 Antibody - Product Information

Application	WB
Primary Accession	P19256
Reactivity	Human, Mouse, Rat
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Calculated MW	28147

CD58 Antibody - Additional Information**Gene ID 965**

Positive Control	WB: HEK293T, Raw264.7, H9C2 whole cell lysates
Application & Usage	WB: 1:500 - 1:1000

Other Names

LFA3; Lymphocyte function-associated antigen 3; Ag3; Surface glycoprotein LFA-3; CD58

Target/Specificity

CD58

Antibody Form

Liquid

Appearance

Colorless liquid

Formulation

1 mg/ml in 0.42% Potassium phosphate, 0.87% Sodium chloride, pH 7.3, 30% glycerol, and 0.01% sodium azide.

Handling

The antibody solution should be gently mixed before use.

Reconstitution & Storage

-20 °C

Background Descriptions**Precautions**

CD58 Antibody is for research use only and not for use in diagnostic or therapeutic procedures.

CD58 Antibody - Protein Information

Name CD58

Synonyms LFA3

Function

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.

Cellular Location

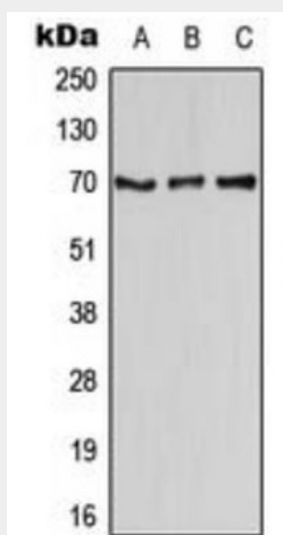
[Isoform 1]: Cell membrane; Single-pass type I membrane protein

CD58 Antibody - Protocols

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

CD58 Antibody - Images



Western blot analysis of CD58 expression in HEK293T (A), Raw264.7 (B), H9C2 (C) whole cell lysates.

CD58 Antibody - Background

CD58, also known as lymphocyte function-associated antigen 3 (LFA-3) is a 45-70 kD cell surface

protein that is a member of the immunoglobulin superfamily. Alternative splicing of CD58 gives rise to transmembrane and glycosylphosphatidylinositol (GPI)-anchored forms on cell surface. CD58 is expressed on both hematopoietic and non-hematopoietic cells including B cells, T cells, monocytes, erythrocytes, endothelial cells, epithelial cells, and fibroblasts. High levels are observed on memory T cells and dendritic cells. CD58 expressed on antigen presenting cells and target cells enhances T cell recognition via the binding of its cognate ligand, CD2, on the T cell surface.