

Anti-CD58 Antibody

Catalog # AP51786

Product Information

Application	WB, IF/IC
Primary Accession	P19256
Reactivity	Human, Mouse, Rat
Host	Rabbit
Clonality	Polyclonal
Calculated MW	28147

Additional Information

Gene ID	965
Other Names	LFA3; Lymphocyte function-associated antigen 3; Ag3; Surface glycoprotein LFA-3; CD58
Target/Specificity	KLH-conjugated synthetic peptide encompassing a sequence within the center region of human CD58. The exact sequence is proprietary.
Dilution	WB~~WB (1/500 - 1/1000) IF/IC~~N/A
Format	Liquid in 0.42% Potassium phosphate, 0.87% Sodium chloride, pH 7.3, 30% glycerol, and 0.01% sodium azide.
Storage	Store at -20 °C.Stable for 12 months from date of receipt

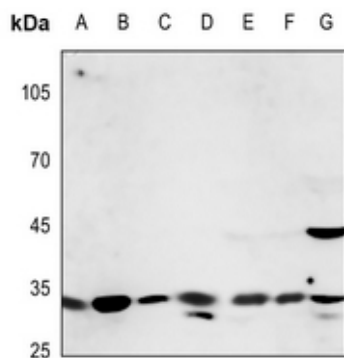
Protein Information

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

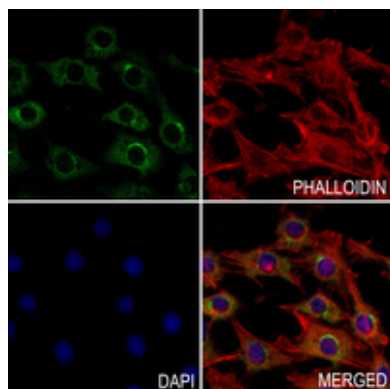
References

Wallner B.P.,et al.J. Exp. Med. 166:923-932(1987).
Seed B.,et al.Nature 329:840-842(1987).
Wallich R.,et al.J. Immunol. 160:2862-2871(1998).
Ota T.,et al.Nat. Genet. 36:40-45(2004).
Ebert L.,et al.Submitted (JUN-2004) to the EMBL/GenBank/DDBJ databases.

Images



Western blot analysis of CD58 expression in HEK293T (A), K562 (B), A549 (C), mouse lung (D), mouse kidney (E), rat heart (F), rat kidney (G) whole cell lysates. (Predicted band size: 28 kDa; Observed band size: 29 kDa)



Immunofluorescent analysis of CD58 staining in NIH3T3 cells. Formalin-fixed cells were permeabilized with 0.1% Triton X-100 in TBS for 5-10 minutes and blocked with 3% BSA-PBS for 30 minutes at room temperature. Cells were probed with the primary antibody in 3% BSA-PBS and incubated overnight at 4 °C in a humidified chamber. Cells were washed with PBST and incubated with a AF488-conjugated secondary antibody (green) in PBS at room temperature in the dark. Phalloidin - AF594 was used to stain Actin filaments (red). DAPI was used to stain the cell nuclei (blue).

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