

Rabbit LFA3 Polyclonal Antibody | anti-CD58 antibody

Anti-LFA3 Antibody

CATALOG # AAA46590	HOST Rabbit	REACTIVITY Human No cross reactivity with other proteins.	APPLICATIONS Immunohistochemistry, Western Blot
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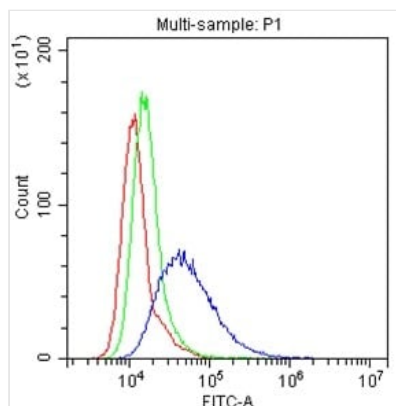
PRODUCT SYNONYMS

LFA3; Polyclonal Antibody; Anti-LFA3 Antibody; AG3; CD58; CD58 antigen; CD58 molecule; LFA 3; LFA-3; P19256 ; Lymphocyte function-associated antigen 3; anti-CD58 antibody

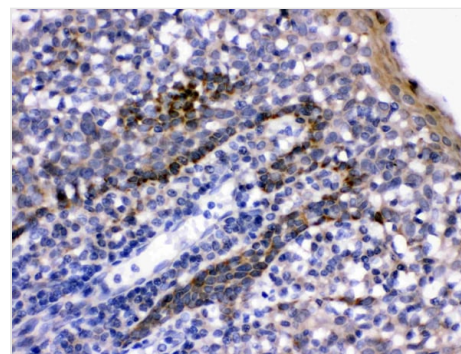
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human No cross reactivity with other proteins.
Clonality	Polyclonal
Isotype	IgG
Purity/Purification	Immunogen affinity purified.
Form/Format	Lyophilized
Sequence Length	248
Applicable Applications for anti-CD58 antibody	IHC (Immunohistochemistry), WB (Western Blot)
Immunogen	E Coli-derived human LFA3 recombinant protein (Position: F29-R215).
Contents	Each vial contains 5mg BSA, 0.9mg NaCl, 0.2mg Na ₂ HPO ₄ , 0.05mg NaN ₃ .
Reconstitution	Add 0.2ml of distilled water will yield a concentration of 500ug/ml.
Preparation and Storage	At -20 degree C for one year. After reconstitution, at 4 degree C for one month. It can also be aliquotted and stored frozen at -20 degree C for a longer time. Avoid repeated freezing and thawing.

IMAGES

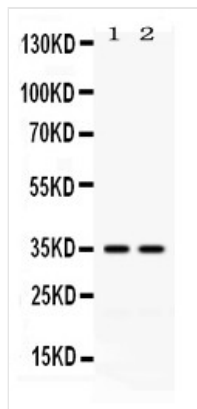


Application Data



IHC (Immunohistochemistry)

LFA3 was detected in paraffin-embedded sections of human tonsil tissues using rabbit anti-LFA3 Antigen Affinity purified polyclonal antibody at 1 ug/mL. The immunohistochemical section was developed using SABC method.



WB (Western Blot)

Western blot analysis of LFA3 expression in HELA whole cell lysates (lane 1) and K562 whole cell lysates (lane 2). LFA3 at 35KD was detected using rabbit anti- LFA3 Antigen Affinity purified polyclonal antibody at 0.5 ug/mL. The blot was developed using chemiluminescence (ECL) method.

ADDITIONAL INFORMATION

Related Product Information for anti-CD58 antibody	Rabbit IgG polyclonal antibody for Lymphocyte function-associated antigen 3 (CD58) detection. Background: CD58, or lymphocyte function-associated antigen 3 (LFA-3), is a cell adhesion molecule expressed on Antigen Presenting Cells (APC), particularly macrophages. It binds to CD2 (LFA-2) on T cells and is important in strengthening the adhesion between the T cells and Professional Antigen Presenting Cells. This adhesion occurs as part of the transitory initial encounters between T cells and Antigen Presenting Cells before T cell activation, when T cells are roaming the lymph nodes looking at the surface of APCs for peptide:MHC complexes the T-cell receptors are reactive to. The LFA3 gene is mapped to chromosome 1p13, which is the same location as CD2.
References	1. Barbosa, J. A., Mentzer, S. J., Kamarck, M. E., Hart, J., Biro, P. A., Strominger, J. L., Burakoff, S. J. Gene mapping and somatic cell hybrid analysis of the role of human lymphocyte function-associated antigen-3 (LFA-3) in CTL-target cell interactions. J. Immun. 136: 3085-3091, 1986. 2. Sewell, W. A., Palmer, R. W., Spurr, N. K., Sheer, D., Brown, M. H., Bell, Y., Crumpton, M. J. The human LFA-3 gene is located at the same chromosome band as the gene for its receptor CD2. Immunogenetics 28: 278-282, 1988. 3. Wang, J., Smolyar, A., Tan, K., Liu, J., Kim, M., Sun, Z. J., Wagner, G., Reinherz, E. L. Structure of a heterophilic adhesion complex between the human CD2 and CD58 (LFA-3) counterreceptors. Cell 97: 791-803, 1999.

NCBI AND UNIPROT INFORMATION

NCBI GI #	221316575
NCBI GeneID	965
NCBI Accession #	NP_001138294.1
NCBI GenBank Nucleotide #	NM_001144822.1
UniProt Accession #	P19256; Q5U053; Q6IB65; Q96KI9; A8K7G5
Molecular Weight	27,960 Da
NCBI Official Full Name	lymphocyte function-associated antigen 3 isoform 2
NCBI Official Synonym Full Names	CD58 molecule
NCBI Official Symbol	CD58
NCBI Official Synonym Symbols	ag3; LFA3; LFA-3
NCBI Protein Information	lymphocyte function-associated antigen 3
UniProt Protein Name	Lymphocyte function-associated antigen 3
UniProt Gene Name	CD58

UniProt Synonym Gene Names	LFA3; Ag3
UniProt Entry Name	LFA3_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/polyclonal/lfa3-antibody-immunohistochemistry-western-blot-elisa/46590>