Datasheet for ABIN4886530

anti-CD58 antibody (AA 29-215)

3 Images

Go to Product page

Overview

Quantity:	100 µg
Target:	CD58
Binding Specificity:	AA 29-215
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Application:	Flow Cytometry (FACS), Western Blotting (WB), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p))

Product Details

Purpose:	Rabbit IgG polyclonal antibody for Lymphocyte function-associated antigen 3(CD58) detection. Tested with WB, IHC-P, FCM in Human.
Immunogen:	E. coli-derived human LFA3 recombinant protein (Position: F29-R215).
Isotype:	IgG
Cross-Reactivity (Details):	No cross reactivity with other proteins.
Characteristics:	Rabbit IgG polyclonal antibody for Lymphocyte function-associated antigen 3(CD58) detection. Tested with WB, IHC-P, FCM in Human. Gene Name: CD58 Molecule Protein Name: Lymphocyte function-associated antigen 3
Purification:	Immunogen affinity purified.

Target Details

Target:	CD58
Alternative Name:	CD58 (CD58 Products)
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. Synonyms: AG3 | CD58 | CD58 antigen | CD58 Molecule | LFA 3 | LFA-3 | LFA3 | P19256
Gene ID:	965
UniProt:	P19256

Application Details

Application Notes:	WB: Concentration: 0.1-0.5 µg/mL, Tested Species: Human IHC-P: Concentration: 0.5-1 µg/mL, Tested Species: Human, Epitope Retrieval by Heat: Boiling the paraffin sections in 10 mM citrate buffer, pH 6.0, for 20 mins is required for the staining of formalin/paraffin sections. Flow Cytometry: Concentration:1-3 µg/1x106 cells, Tested Species: Human Notes: Tested Species: Species with positive results. Other applications have not been tested. Optimal dilutions should be determined by end users.
Comment:	Antibody can be supported by chemiluminescence kit ABIN921124 in WB, supported by ABIN921231 in IHC(P).
Restrictions:	For Research Use only

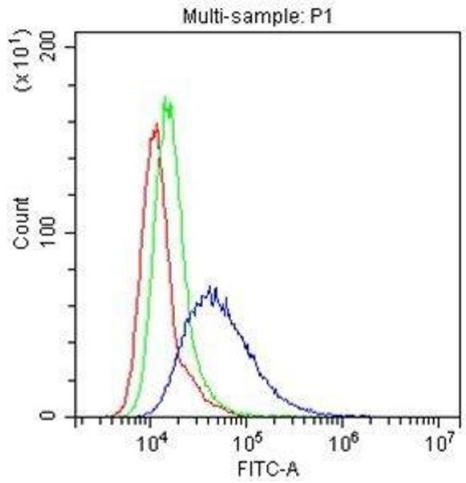
Handling

Format:	Lyophilized
Reconstitution:	Add 0.2 mL of distilled water will yield a concentration of 500 µg/mL.
Concentration:	500 µg/mL
Buffer:	Each vial contains 5 mg BSA, 0.9 mg NaCl, 0.2 mg Na2HPO4, 0.05 mg Sodium azide.

Handling

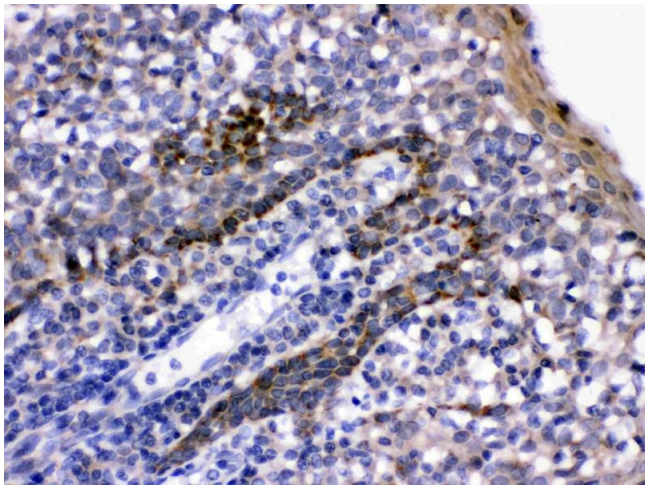
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Handling Advice:	Avoid repeated freezing and thawing.
Storage:	4 °C/-20 °C
Storage Comment:	At -20°C for one year. After reconstitution, at 4°C for one month. It can also be aliquotted and stored frozen at -20 °C for a longer time. Avoid repeated freezing and thawing.

Images



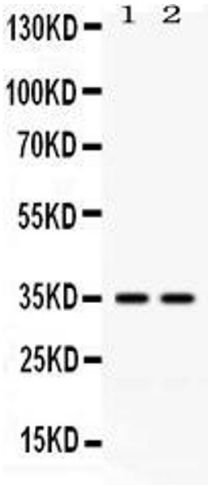
Flow Cytometry

Image 1. Flow Cytometry analysis of Hela cells using anti-LFA3 antibody . Overlay histogram showing Hela cells stained with (Blue line).The cells were blocked with 10% normal goat serum. And then incubated with rabbit anti-LFA3 Antibody (,1µg/1x106 cells) for 30 min at 20°C. DyLight?488 conjugated goat anti-rabbit IgG (BA1127, 5-10µg/1x106 cells) was used as secondary antibody for 30 minutes at 20°C. Isotype control antibody (Green line) was rabbit IgG (1µg/1x106) used under the same conditions. Unlabelled sample (Red line) was also used as a control.



Immunohistochemistry

Image 2. LFA3 was detected in paraffin-embedded sections of human tonsil tissues using rabbit anti- LFA3 Antigen Affinity purified polyclonal antibody (Catalog #) at 1 µg/mL. The immunohistochemical section was developed using SABC method (Catalog # SA1022).



Western Blotting

Image 3. 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 (Catalog #) at 0.5 ??g/mL. The blot was developed using chemiluminescence (ECL) method (Catalog # EK1002).