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**Research Use Only. Not for
diagnostic or therapeutic use.**

EB12559 - Goat Anti-ITGB2 / LFA-1 (aa86-99) Antibody

Size: 100µg specific antibody in 200µl



Target Protein

Principal Names: ITGB2, integrin, beta 2 (complement component 3 receptor 3 and 4 subunit), CD18, LAD, LCAMB, LFA-1, MAC-1, MF17, MFI7, cell surface adhesion glycoprotein LFA-1/CR3/P150,959 beta subunit precursor), cell surface adhesion glycoproteins LFA-1/CR3/p150,95 sub

Official Symbol: ITGB2

Accession Number(s): NP_000202.2

Human GeneID(s): [3689](#)

Important Comments: Reported variants represent identical protein: NP_001120963.1, NP_000202.2.

Immunogen

Peptide with sequence C-ETQEDHNGGQKQLS, from the internal region of the protein sequence according to NP_000202.2.

Please note the [peptide](#) is available for sale.

Purification and Storage

Purified from goat serum by ammonium sulphate precipitation followed by antigen affinity chromatography using the immunizing peptide.

Supplied at 0.5 mg/ml in Tris saline, 0.02% sodium azide, pH7.3 with 0.5% bovine serum albumin.

Aliquot and store at -20°C. Minimize freezing and thawing.

Applications Tested

Peptide ELISA: antibody detection limit dilution 1:128000.

Western blot: Approx. 85kDa band observed in lysates of cell lines K562, MOLT4 and U937 (calculated MW of 84.8kDa according to NP_000202.2). Recommended concentration: 0.5-2µg/ml. Primary incubation 1 hour at room temperature.

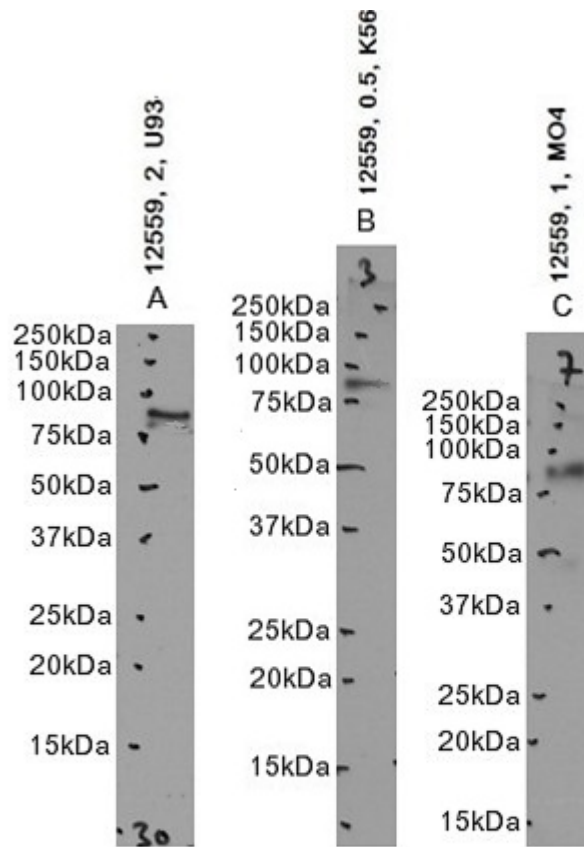
IHC: Paraffin embedded Human Spleen. Recommended concentration: 5µg/ml.

Flow Cytometry: Flow cytometric analysis of U937 cells. Recommended concentration: 10ug/ml.

Species Reactivity

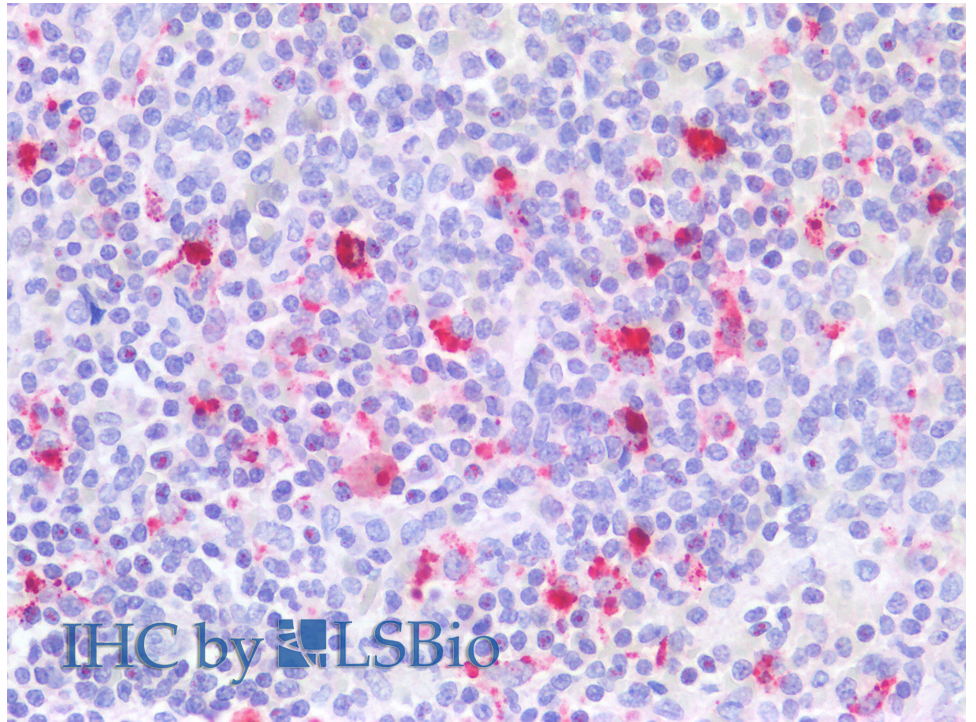
Tested: Human

Expected from sequence similarity: Human

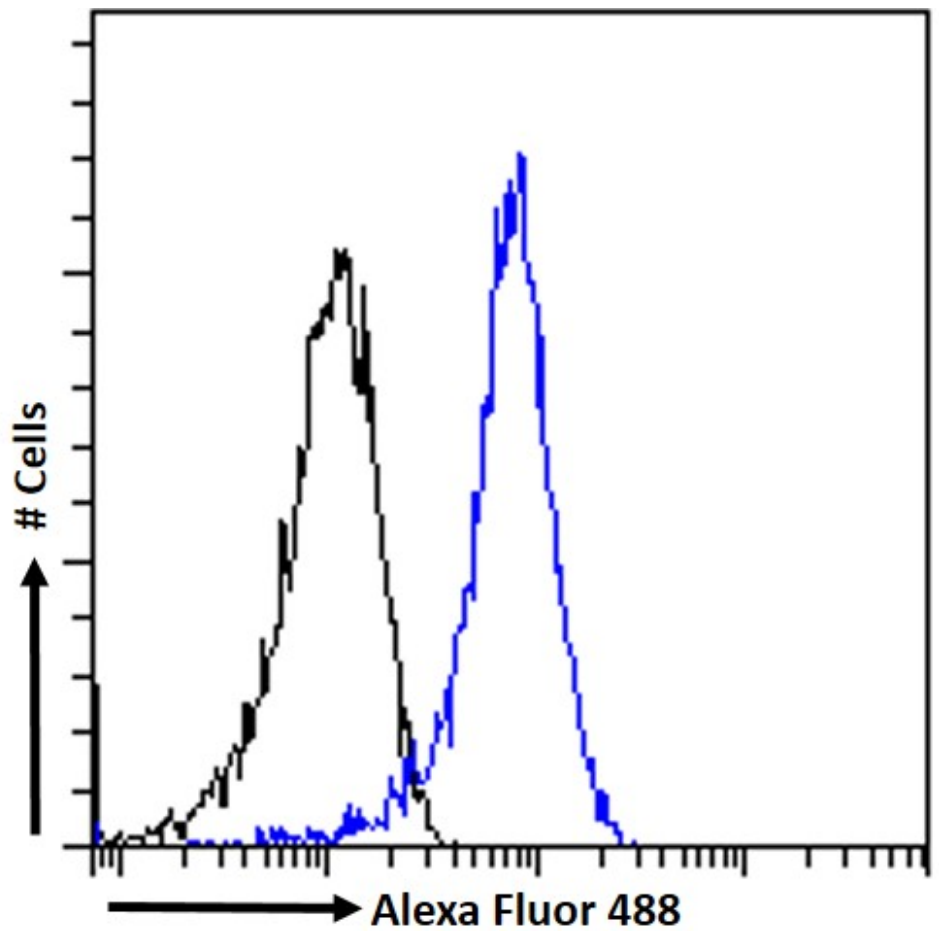


EB12559 optimised QC. Primary incubation 1 hour at room temperature.

Image A: U937 cell lysate at primary Ab concentration 2 µg/ml, Image B: K562 cell lysate at primary Ab concentration 0.5 µg/ml and Image C: MOLT4 cell lysate at primary Ab concentration 1 µg/ml. (Loaded 35 µg protein in RIPA buffer, per lane). Detected by chemiluminescence.



EB12559 (5 μ g/ml) staining of paraffin embedded Human Spleen. Steamed antigen retrieval with citrate buffer pH 6, AP-staining.



EB12559 Flow cytometric analysis of paraformaldehyde fixed U937 cells (blue line) permeabilized with 0.5% Triton. Primary incubation 1hr (10 μ g/ml) followed by Alexa Fluor 488 $\text{\textcircled{R}}$ conjugated secondary antibody (1 μ g/ml). IgG control: Unimmunized goat IgG (black line) followed by Alexa Fluor 488 secondary antibody.