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Research Use Only. Not for diagnostic or therapeutic use.

EB09493 - Goat Anti-CD11A / integrin alpha L Antibody

Size: 100µg specific antibody in 200µl



Target Protein

Principal Names: ITGAL, integrin, alpha L (antigen CD11A (p180), lymphocyte function-associated antigen 1, alpha polypeptide), CD11A, LFA-1, LFA1A, LFA-1 alpha, antigen CD11A (p180), lymphocyte function-associated antigen 1, alpha polypeptide, integrin alpha L, integrin gene promoter, lymphocyte function-associated antigen 1

Official Symbol: ITGAL

Accession Number(s): NP_002200.2; NP_001107852.1

Human GenelD(s): 3683

Important Comments: This antibody is expected to recognize both reported isoforms

(NP_002200.2; NP_001107852.1).

Immunogen

Peptide with sequence C-YQVRIQPSIHDHN, from the internal region of the protein sequence according to NP_002200.2; NP_001107852.1.

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 1:16000.

Western blot: Approx. 200kDa band observed in lysates of cell line THP-1 (calculated MW of 129kDa according to NP_002200.2). This molecular weight is observed by other sources. Recommended concentration: 1-3 μ g/ml. Primary incubation 1 hour at room temperature.

Positive Control: A batch specific positive control lysate is available for this product. Please contact Sales@everestbiotech.com for availability.

IHC: In paraffin embedded Human Lymph Node shows membrane staining in the paracortex. Recommended concentration: 2-4μg/ml. Paraffin embedded Human Spleen. Recommended concentration: 3.75μg/ml.

Flow Cytometry: Flow cytometric analysis of THP-1 cells. Recommended concentration: 10ug/ml.

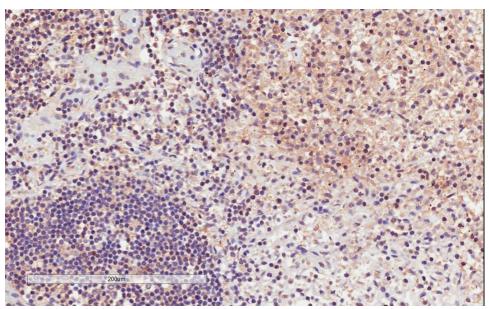
Species Reactivity

Tested: Human

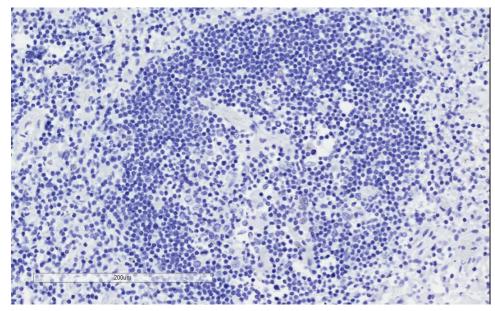
Expected from sequence similarity: Human

250kDa 150kDa 100kDa 75kDa 50kDa 37kDa 25kDa 20kDa

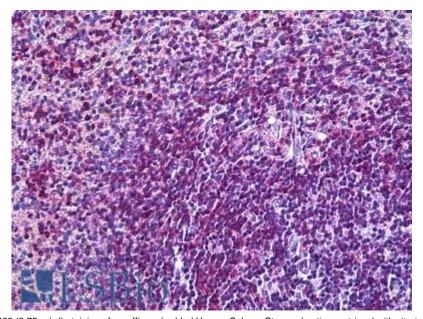
EB09493 (3ug/ml) staining of THP-1 cell lysate (35µg protein in RIPA buffer). Detected by chemiluminescence.



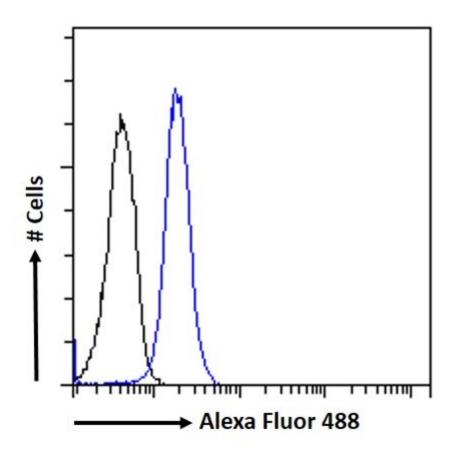
 $EB09493~(2\mu g/ml)~staining~of~paraffin~embedded~Human~Lymph~Node.~Microwaved~antigen~retrieval~with~citrate~buffer~pH~6,~HRP-staining.$



EB09493 Negative Control showing staining of paraffin embedded Human Lymph Node, with no primary antibody.



EB09493 (3.75 μ g/ml) staining of paraffin embedded Human Spleen. Steamed antigen retrieval with citrate buffer pH 6, AP-staining.



EB09493 Flow cytometric analysis of paraformaldehyde fixed THP1 cells (blue line), permeabilized with 0.5% Triton. Primary incubation 1hr (10ug/ml) followed by Alexa Fluor 488 secondary antibody (1ug/ml). IgG control:

Unimmunized goat IgG (black line) followed by Alexa Fluor 488 secondary antibody.