

#### **UK Office**

#### **Everest Biotech Ltd**

Cherwell Innovation Centre 77 Heyford Park Upper Heyford Oxfordshire

OX25 5HD

UK

Enquiries:

info@everestbiotech.com

Sales:

sales@everestbiotech.com

Tech support:

support@everestbiotech.com

Tel: +44 (0)1869 238326 Fax: +44 (0)1869 238327

### **US Office**

#### **Everest Biotech c/o Abcore**

405 Maple Street, Suite A106 Ramona,

CA 92065 USA

Inquiries:

info@everestbiotech.com

Sales:

usasales@everestbiotech.com

Tech support:

support@everestbiotech.com

Tel: 888-320-4628 (toll-free)

Fax: 888-841-9041

www.everestbiotech.com

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: 1-3μg/ml. Primary incubation 1 hour at room temperature.

**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.

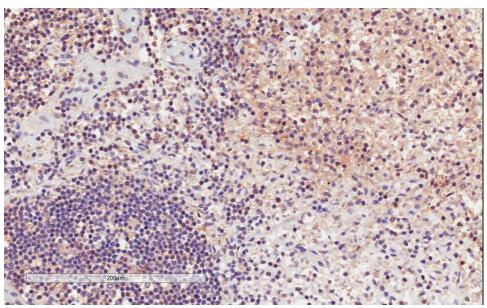
## **Species Reactivity**

Tested: Human

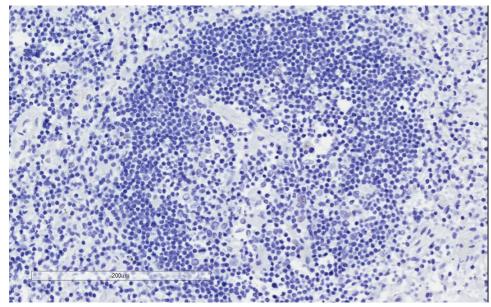
Expected from sequence similarity: Human



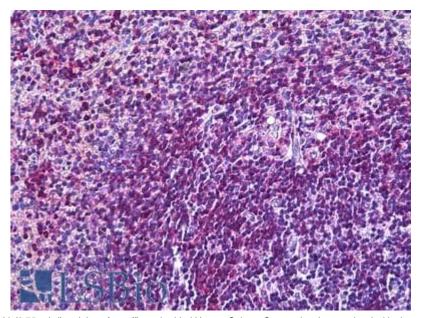
EB09493 (3ug/ml) staining of THP-1 cell lysate (35µg protein in RIPA buffer). Detected by chemiluminescence.



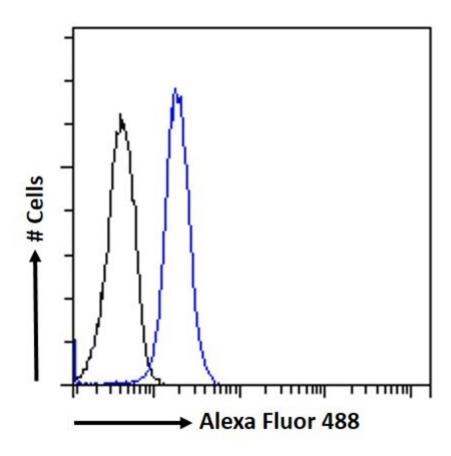
 $EB09493~(2\mu g/ml)~staining~of~paraffin~embedded~Human~Lymph~Node.~Microwaved~antigen~retrieval~with~citrate~buffer~pH~6,~HRP-staining.$ 



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



EB09493 (3.75 $\mu$ 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.