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Research Use Only. Not for diagnostic or therapeutic use.

EB07825-T - Goat Anti-ITGAM / CD11B Antibody -

Size: 20µg specific antibody in 40µl

Target Protein

Principal Names: ITGAM, integrin, alpha M (complement component 3 receptor 3 subunit), CD11B, CR3A, MAC-1, MAC1A, MGC117044, MO1A, Integrin, alpha-M (complement component receptor-3, alpha), antigen CD11B (p170), macrophage antigen, alpha polypeptide, antigen CD11b (p170), complement component receptor 3, alpha, integrin alpha M, integrin, alpha M (complement component receptor 3, alpha), CD11b (p170), macrophage antigen alpha polypeptide, macrophage antigen alpha polypeptide, neutrophil adherence receptor alpha-M subunit

Official Symbol: ITGAM

Accession Number(s): NP_000623.2

Human GeneID(s): 3684

Non-Human GenelD(s): 16409 (mouse), 25021 (rat)

Important Comments: The immunizing peptide represents part of the extra-cellular

domain.

Immunogen

Peptide with sequence C-RNDGEDSYRTQ, from the internal region of the protein sequence according to NP_000623.2 .

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 1:16000.

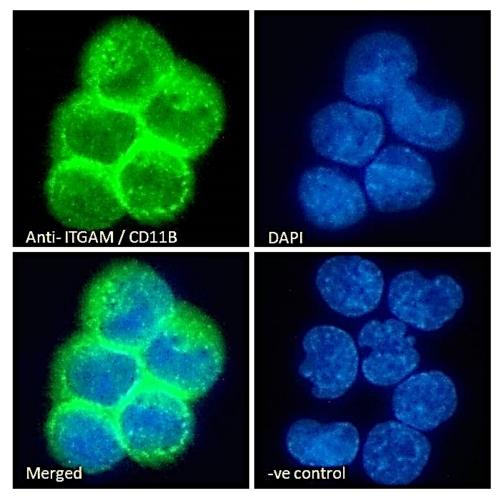
IHC: Paraffin embedded Human Tonsil. Recommended concentration: 6-8µg/ml.

Immunofluorescence: Strong expression of the protein seen in the plasma membrane and cytoplasm of U937 and THP-1 cells. Recommended concentration: 10μg/ml.

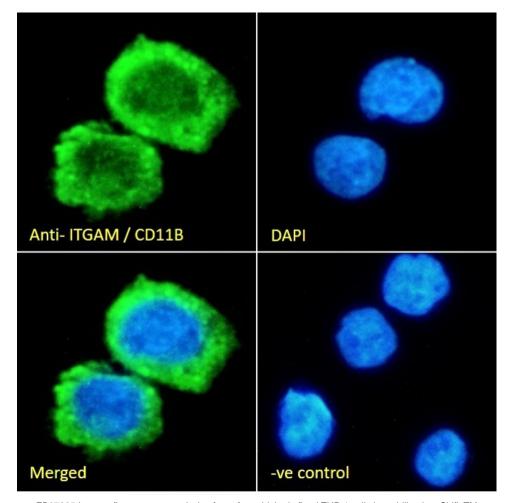
Species Reactivity

Tested: Human

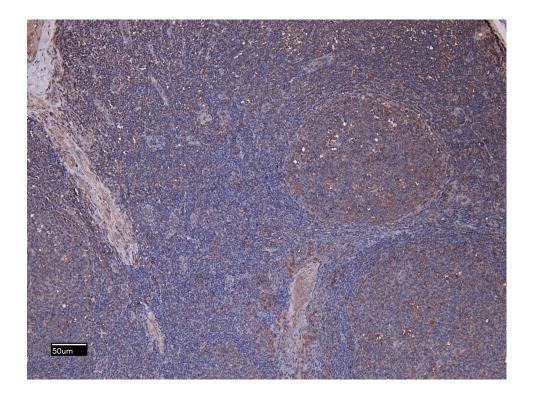
Expected from sequence similarity: Human

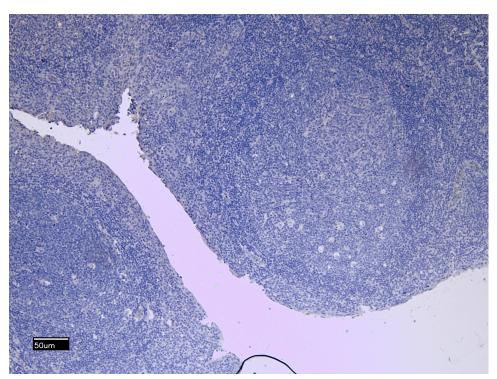


EB07825 Immunofluorescence analysis of paraformaldehyde fixed U937 cells immobilized on ShifixTM coverslip, permeabilized with 0.15% Triton. Primary incubation 1hr (10ug/ml) followed by Alexa Fluor 488 secondary antibody (2ug/ml), showing membrane and cytoplasmic staining. The nuclear stain is DAPI (blue). Negative control: Unimmunized goat IgG (10ug/ml) followed by Alexa Fluor 488 secondary antibody (2ug/ml).



EB07825 Immunofluorescence analysis of paraformaldehyde fixed THP-1 cells immobilized on ShifixTM coverslip, permeabilized with 0.15% Triton. Primary incubation 1hr (10ug/ml) followed by Alexa Fluor 488 secondary antibody (2ug/ml), showing membrane and cytoplasmic staining. The nuclear stain is DAPI (blue). Negative control: Unimmunized goat IgG (10ug/ml) followed by Alexa Fluor 488 secondary antibody (2ug/ml).





EB07825 Negative Control showing staining of paraffin embedded Human Tonsil, with no primary antibody.