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Research Use Only. Not for diagnostic or therapeutic use.

EB11753 - Goat Anti-ICAM1 Antibody

Size: 100µg specific antibody in 200µl

Target Protein

Principal Names: BB2, CD54, cell surface glycoprotein P3.58, human rhinovirus receptor, ICAM1, ICAM-1, intercellular adhesion molecule 1, intercellular adhesion molecule 1 (CD54), human rhinovirus receptor, major group rhinovirus receptor, P3.58
Official Symbol: ICAM1
Accession Number(s): NP_000192.2
Human GeneID(s): 3383
Important Comments: The immunizing peptide represents part of the extracellular domain, and it does not overlap any known glycosite.

Immunogen

Peptide with sequence SNCPDGQSTAKT, from the internal region of the protein sequence according to NP_000192.2.

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 1:1000.
Western blot: Approx 100kDa band observed in lysates of cell lines Daudi, HeLa and NIH3T3 (calculated MW of 57.8kDa according to Human NP_000192.2 and 58.8kDa according to Mouse NP_034623.1). The observed molecular weight corresponds to earlier findings in literature with different antibodies (Pino et al, Reproduction. 2009 Nov;138(5):837-47. PMID: 19661147), and other commercial sources. Recommended concentration: 1-3µg/ml.

Immunofluorescence: Strong expression of the protein seen in the cytoplasm/membrane of NIH3T3 cells. Recommended concentration: 5µg/ml.

Species Reactivity

Tested: Human, Mouse
Expected from sequence similarity: Human

EB11753 (2µg/ml) staining of HeLa (A) and Daudi (B) cell lysate (35µg protein in RIPA buffer). Primary incubation was 1 hour. Detected by chemiluminescence.

EB11753 (2µg/ml) staining of NIH3T3 cell lysate (35µg protein in RIPA buffer). Primary incubation was 1 hour. Detected by chemiluminescence.

EB11753 Immunofluorescence analysis of paraformaldehyde fixed NIH3T3 cells, permeabilized with 0.15% Triton. Primary incubation 1hr (5ug/ml) followed by Alexa Fluor 488 secondary antibody (2ug/ml), showing cytoplasmic/membrane staining. The nuclear stain is DAPI (blue). Negative control: Unimmunized goat IgG (5ug/ml) followed by Alexa Fluor 488 secondary antibody (2ug/ml).