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Research Use Only. Not for diagnostic or therapeutic use.

EB10948 - Goat Anti-CD56 / NCAM1 (isoform 2) Antibody

Size: 100µg specific antibody in 200µl



Target Protein

Principal Names: NCAM1, neural cell adhesion molecule 1, CD56, MSK39, NCAM, N-CAM-1, NCAM-1, antigen recognized by monoclonal antibody 5.1H11, neural cell

adhesion molecule, NCAM Official Symbol: NCAM1

Accession Number(s): NP_851996.2

Human GenelD(s): 4684

Non-Human GenelD(s): 24586 (rat)

Important Comments: This antibody is expected to recognize reported isoform 2

(NP_851996.2) only.

Immunogen

Peptide with sequence C-KASWTRPEKQETLD, from the internal region of the protein sequence according to NP_851996.2.

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 1:32000.

Western blot: Approx 150-170kDa band observed in Human Cerebellum and Frontal Cortex lysates (calculated MW of 94.6kDa according to NP_851996.2). The observed molecular weight corresponds to the glycosylated form and is routinely observed by other sources. Recommended concentration: 0.03-0.3µg/ml. Primary incubation 1 hour at room temperature.

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

Flow Cytometry: Flow cytometric analysis of U251 cells. Recommended concentration: 10ug/ml.

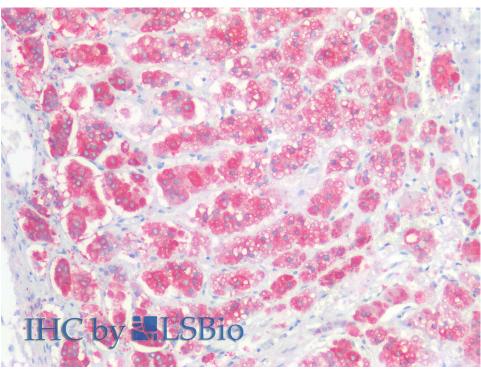
Species Reactivity

Tested: Human

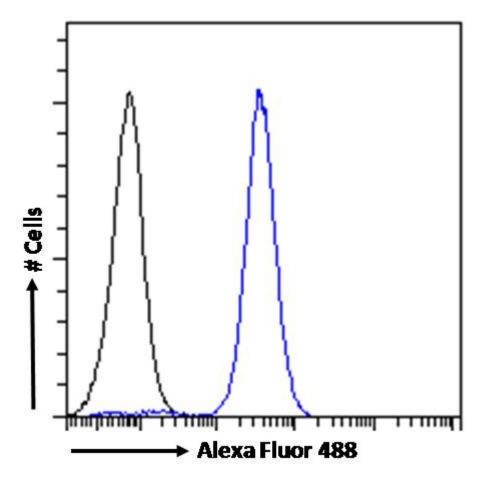
Expected from sequence similarity: Human, Rat, Pig, Cow



EB10948 (0.01μg/ml) staining of Human Frontal Cortex (A) and (0.1ug/ml) Cerebellum (B) lysate (35μg protein in RIPA buffer). Detected by chemiluminescence.



EB10948 (5µg/ml) staining of paraffin embedded Human Adrenal Gland. Steamed antigen retrieval with citrate buffer pH 6, AP-staining.



EB10948 Flow cytometric analysis of paraformaldehyde fixed U251 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.