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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 GeneID(s): [4684](#)

Non-Human GeneID(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.