



## UK Office

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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.

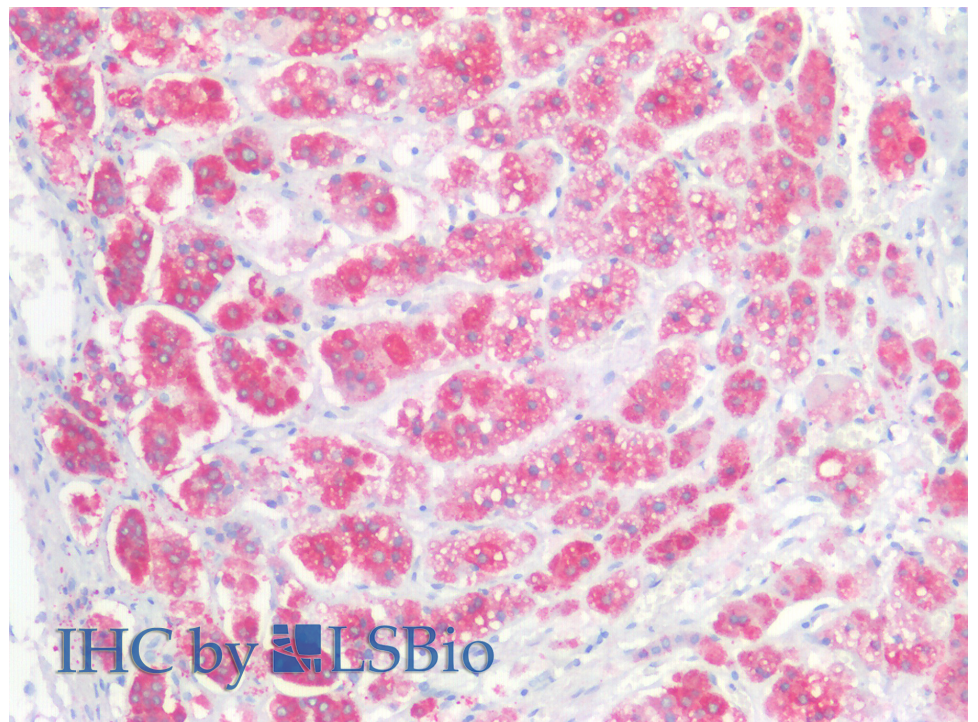
### Species Reactivity

**Tested:** Human

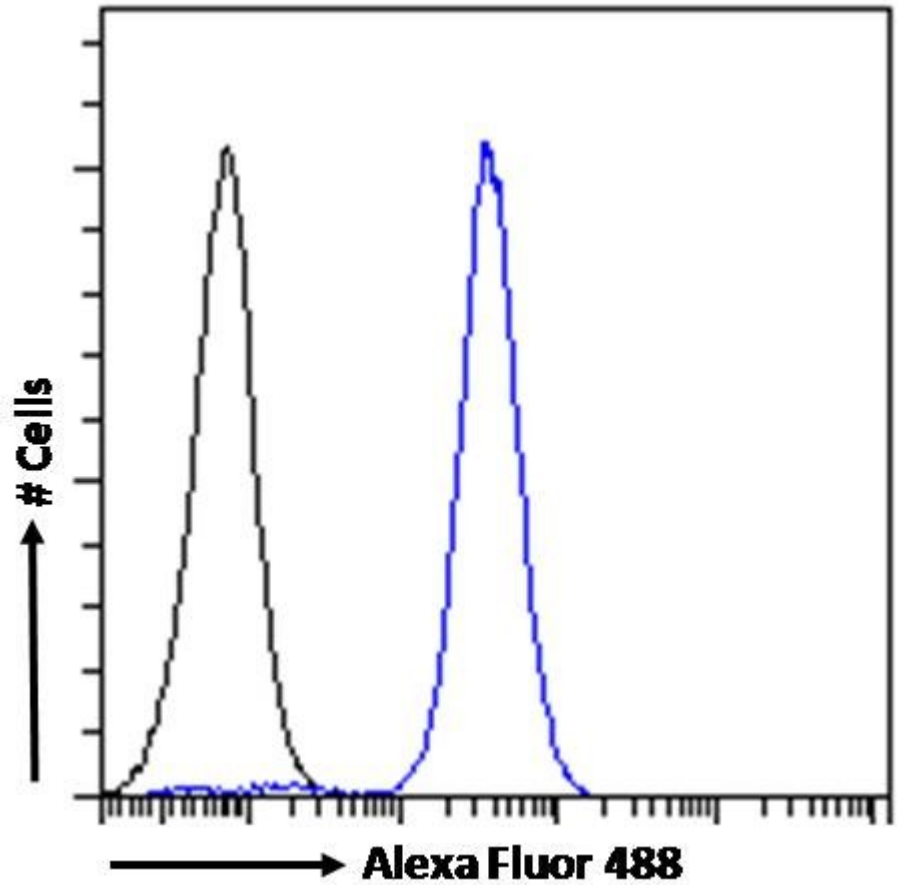
**Expected from sequence similarity:** Human, Rat, Pig, Cow



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



EB10948 (5 $\mu$ g/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.