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Research Use Only. Not for diagnostic or therapeutic use.

EB12352 - Goat Anti-CD38 (aa226-237) Antibody

Size: 100µg specific antibody in 200µl



Target Protein

Principal Names: CD38, CD38 molecule, T10, ADP-ribosyl cyclase 1, ADP-ribosyl cyclase/cyclic ADP-ribose hydrolase, CD38 antigen (p45), NAD(+) nucleosidase, cADPr

hydrolase 1, cyclic ADP-ribose hydrolase 1

Official Symbol: CD38

Accession Number(s): NP_001766.2

Human GeneID(s): 952

Immunogen

Peptide with sequence C-EVHNLQPEKVQT, from the internal region of the protein sequence according to NP_001766.2.

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 1:128000.

Western blot: Approx. 40kDa observed in lysates of cell lines MOLT4 and Kelly, and approx. 37kDa in preliminary testing of Human Spinal Cord cancer lysate (calculated MW of 34.3kDa according to NP_001766.2). The observed molecular weights correspond to the glycosylated form. Recommended concentration: 0.5-2µg/ml. Primary incubation 1 hour at room temperature.

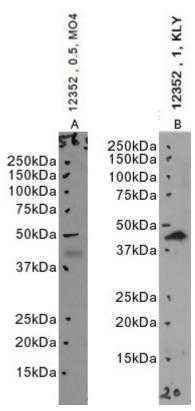
Immunofluoresence: Strong expression of the protein seen in the plasma membrane and cytoplasm of Molt-4 cells. Recommended concentration: 10µg/ml.

Flow Cytometry: Flow cytometric analysis of Molt-4 cells. Recommended concentration: 10ug/ml.

Species Reactivity

Tested: Human

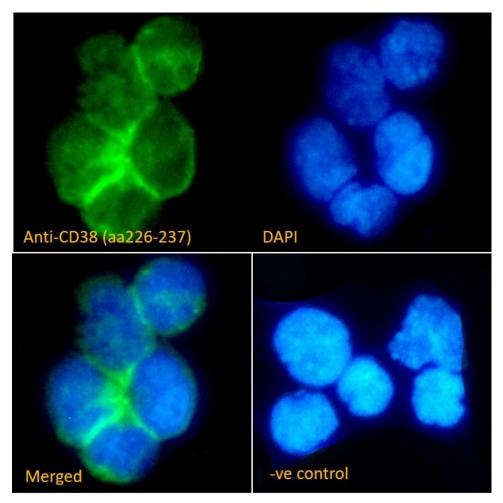
Expected from sequence similarity: Human



EB12352 optimised QC. Primary incubation 1 hour at room temperature.

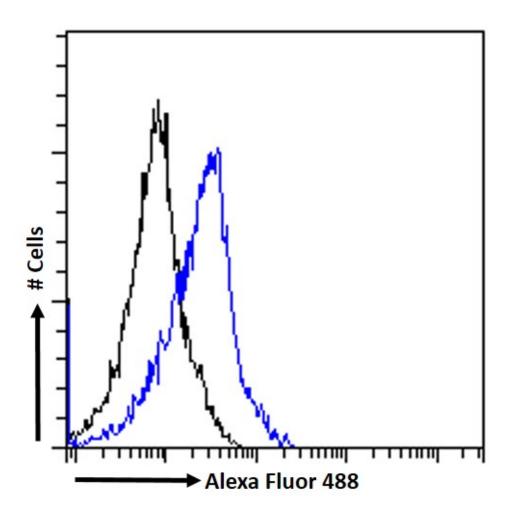
Image A: MOLT-4 cell lysate at primary Ab concentration 0.5µg/ml, Image B: Kelly cell lysate at primary Ab concentration 1µg/ml. (Loaded 35µg protein in RIPA buffer, per lane).

Detected by chemiluminescence.



EB12352 Immunofluorescence analysis of paraformaldehyde fixed MO4 immobilized on Shi-fix™ plus cover-slips. Primary incubation 1hr (1:50 dilution) followed by Alexa Fluor® 488 secondary antibody (1:2000 dilution), showing cytoplasmic and membrane staining. The nuclear stain is DAPI (blue). Negative control:

Anti-Goat IgG followed by Alexa Fluor® 488 secondary antibody.



EB12352 Flow cytometric analysis of paraformaldehyde fixed MO4 cells (blue line) permeabilized with 0.5% Triton. Primary incubation 1hr (10ug/ml) followed by Alexa Fluor 488® conjugated secondary antibody (1ug/ml). IgG control: Unimmunized goat IgG (black line) followed by Alexa Fluor 488 secondary antibody.