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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.

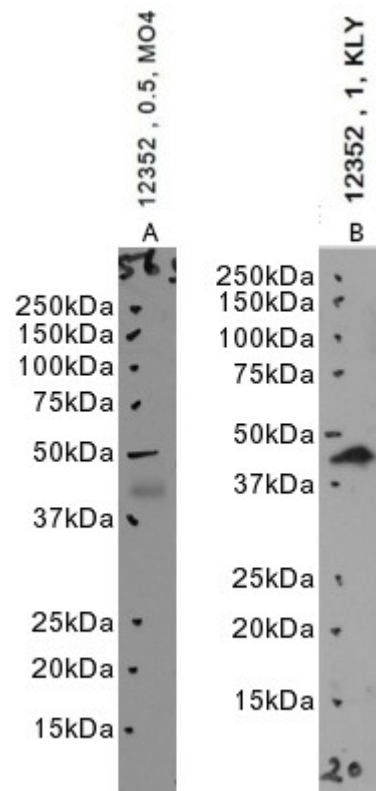
Immunofluorescence: Strong expression of the protein seen in the plasma membrane and cytoplasm of Molt-4 cells. Recommended concentration: 10µg/ml.

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

Species Reactivity

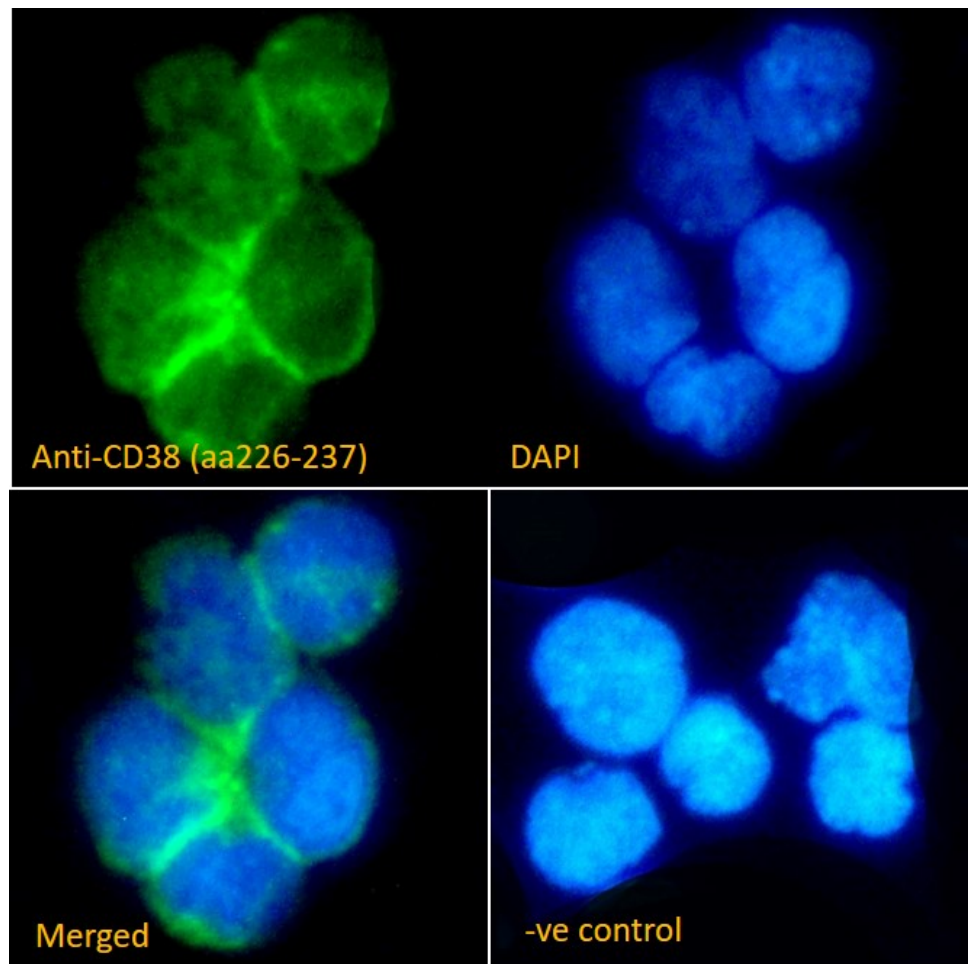
Tested: Human

Expected from sequence similarity: Human

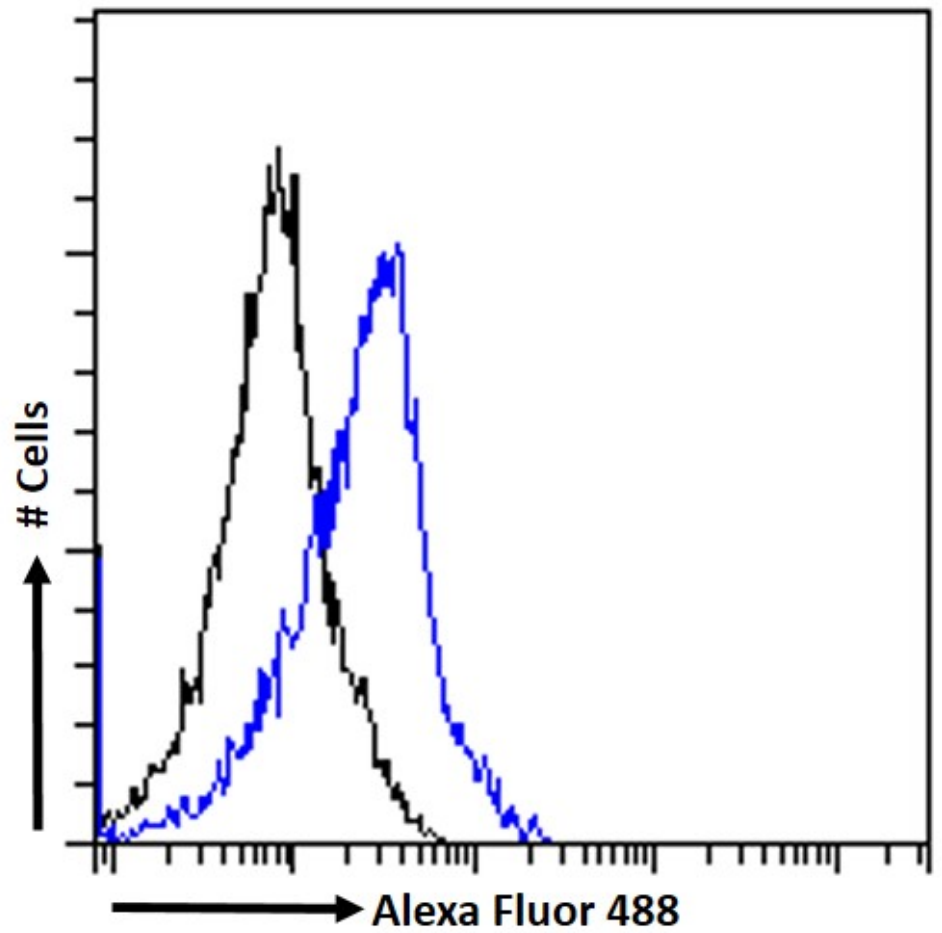


EB12352 optimised QC. Primary incubation 1 hour at room temperature.

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.