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Research Use Only. Not for diagnostic or therapeutic use.

EB11515 - Goat Anti-beta-2-microglobulin Antibody

Size: 100µg specific antibody in 200µl



Target Protein

Principal Names: B2M, beta chain of MHC class I molecules, beta-2-microglobin,

beta-2-microglobulin, OTTHUMP00000161912

Official Symbol: B2M

Accession Number(s): NP_004039.1

Human GeneID(s): 567

Immunogen

Peptide with sequence QRTPKIQVYSRHP-C, from the N Terminus of the protein sequence according to NP_004039.1.

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: Preliminary testing showed a band at approx. 12-13kDa in Human Spleen lysate and in Jurkat, U251, U2OS, U937 and HeLa cell lysate after 0.3-1μg/ml antibody staining (calculated MW of 13.7kDa according to NP_004039.1). Primary incubation 1 hour at room temperature.

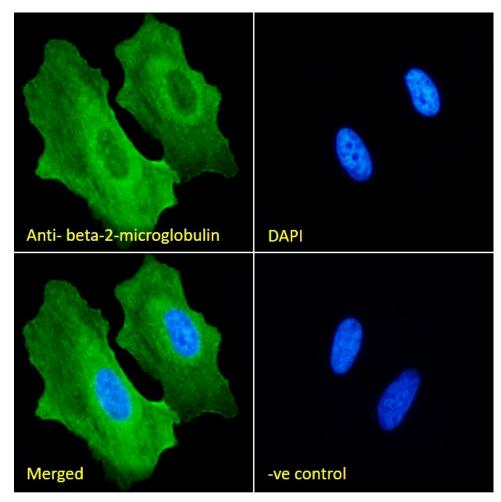
Immunofluorescence: Strong expression of the protein seen in the plasma membranes and cytoplasm of HeLa cells. Recommended concentration: 10µg/ml.

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

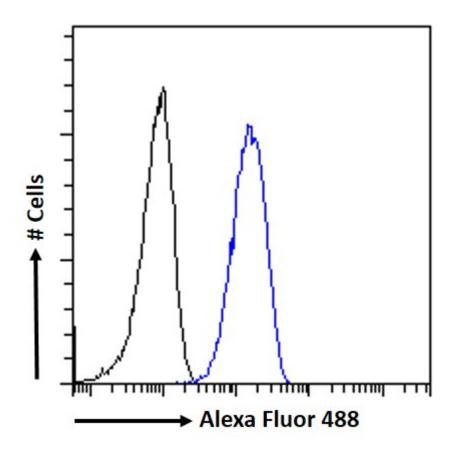
Species Reactivity

Tested: Human

Expected from sequence similarity: Human



EB11515 Immunofluorescence analysis of paraformaldehyde fixed HeLa cells, permeabilized with 0.15% Triton. Primary incubation 1hr (10ug/ml) followed by Alexa Fluor 488 secondary antibody (2ug/ml), showing plasma membrane and cytoplasmic staining. The nuclear stain is DAPI (blue). Negative control: Unimmunized goat IgG (10ug/ml) followed by Alexa Fluor 488 secondary antibody (2ug/ml).



EB11515 Flow cytometric analysis of paraformaldehyde fixed HeLa 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.