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EB06667 - Goat Anti-MYD88 Antibody

Size: 100µg specific antibody in 200µl

Target Protein

Principal Names: MYD88, myeloid differentiation primary response gene (88), MYD88D, myeloid differentiation primary response gene 88
Official Symbol: MYD88
Accession Number(s): NP_001166038.2; NP_002459.3; NP_001166039..2; NP_001361717.1
Human GeneID(s): 4615
Non-Human GeneID(s): 17874 (mouse), 301059 (rat)
Important Comments: This antibody is expected to recognize reported isoforms 1, 2, 3 and 9.

Immunogen

Peptide with sequence C-IKYKAMKKEFP, from the internal region of the protein sequence according to NP_001166038.2; NP_002459.3; NP_001166039..2; NP_001361717.1.

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 1:128000.
Western blot: Approx 28kDa band observed in Human Spleen lysates (calculated MW of 28.3kDa according to NP_001166039.2). Recommended concentration: 0.3-0.5µg/ml. Primary incubation1 hour at room temperature.
IHC: Paraffin embedded Human Tonsil. Recommended concentration: 4-6µg/ml.

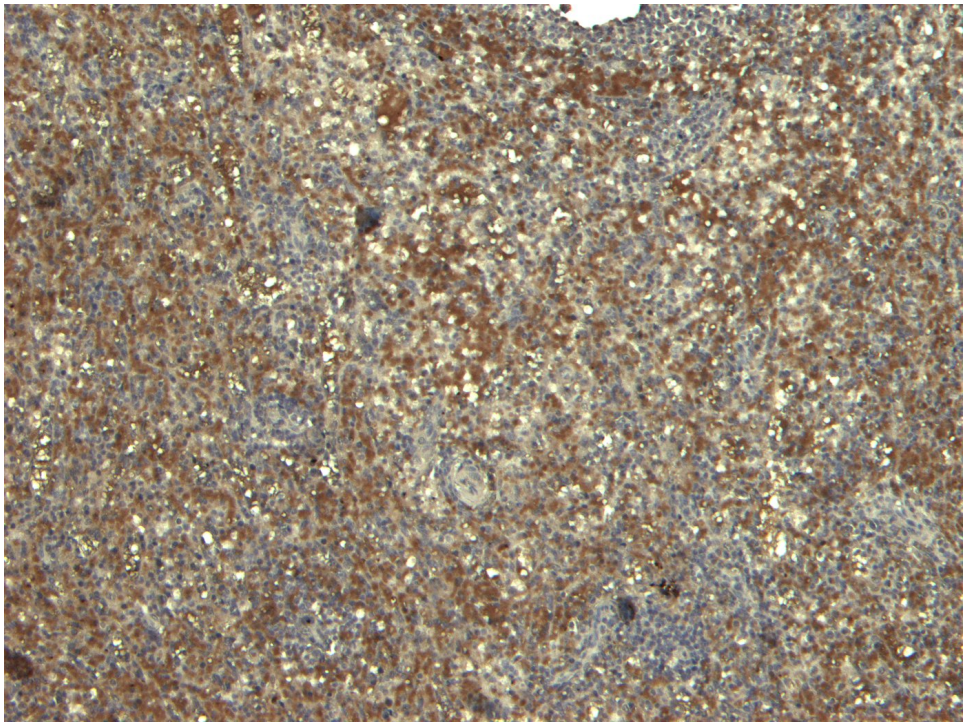
Immunofluorescence: Strong expression of the protein seen in U2OS and Jurkat cells. Recommended concentration: 10µg/ml.

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

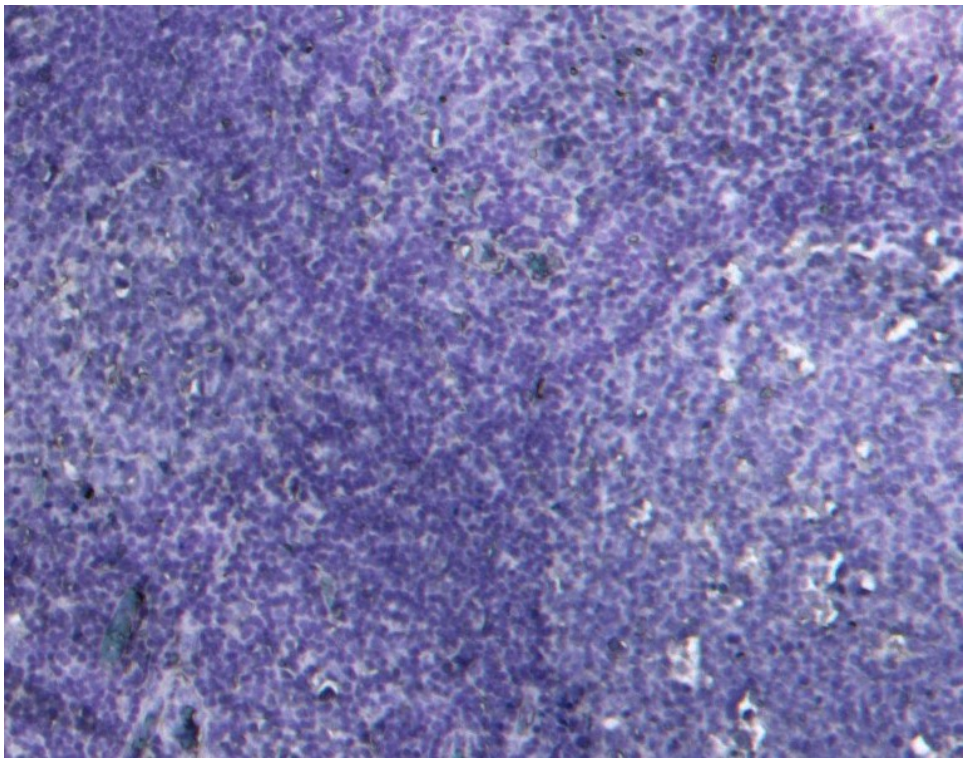
Species Reactivity

Tested: Human
Expected from sequence similarity: Human, Mouse, Rat, Dog

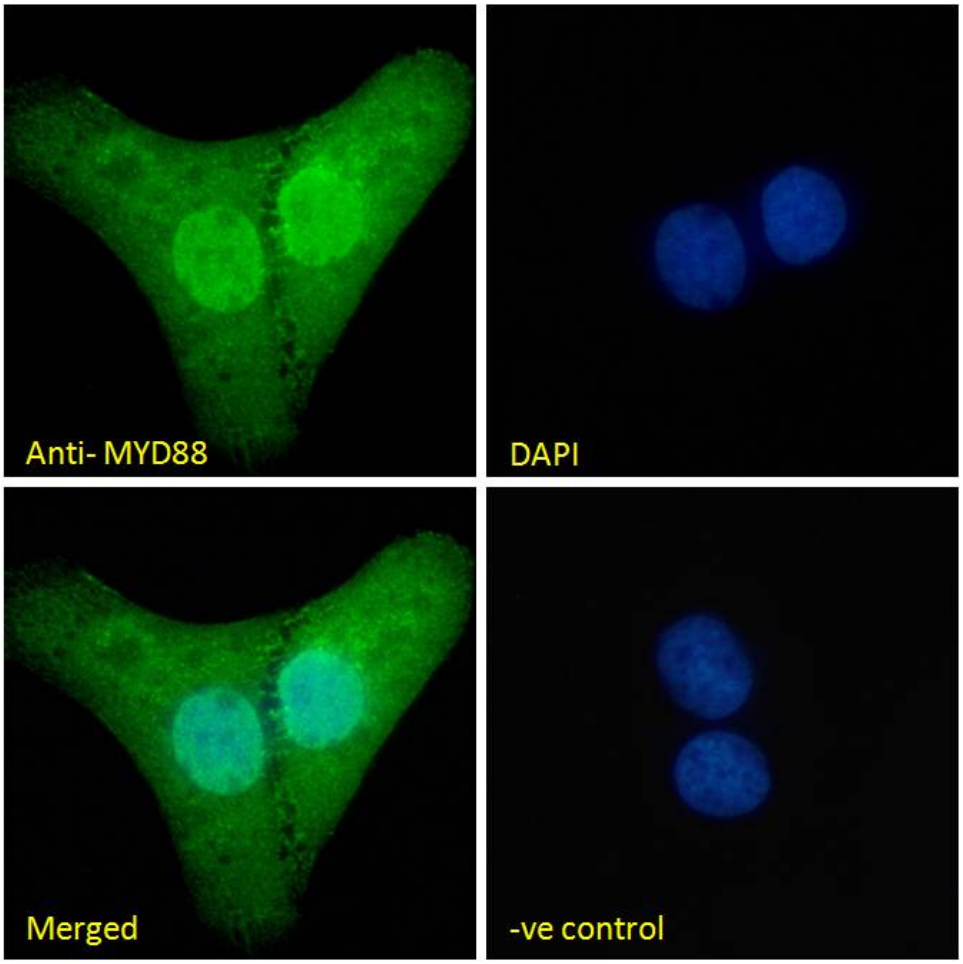
EB06667 (0.5µg/ml) staining of Human Spleen lysate (35µg protein in RIPA buffer). Detected by chemiluminescence.



EB06667 (6µg/ml) staining of paraffin embedded Human Tonsil. Heat induced antigen retrieval with citrate buffer pH 6, HRP-staining.

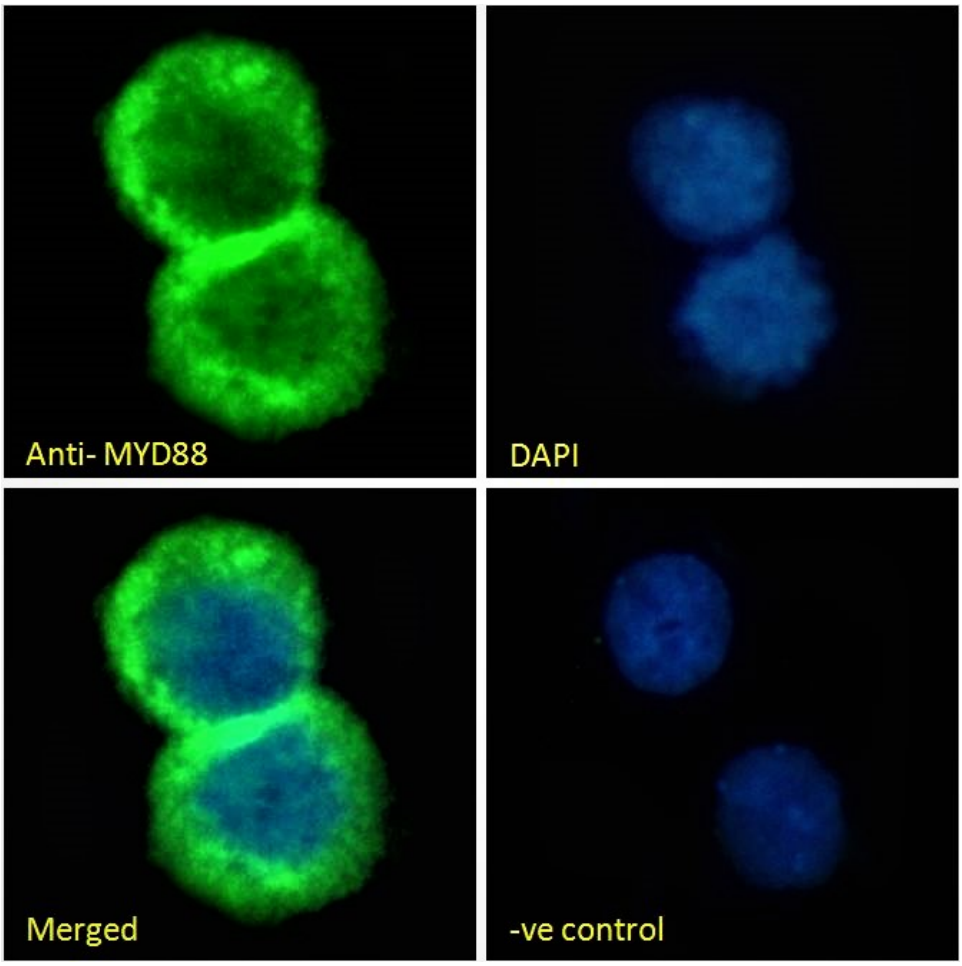


EB06667 Negative Control showing staining of paraffin embedded Human Tonsil, with no primary antibody.

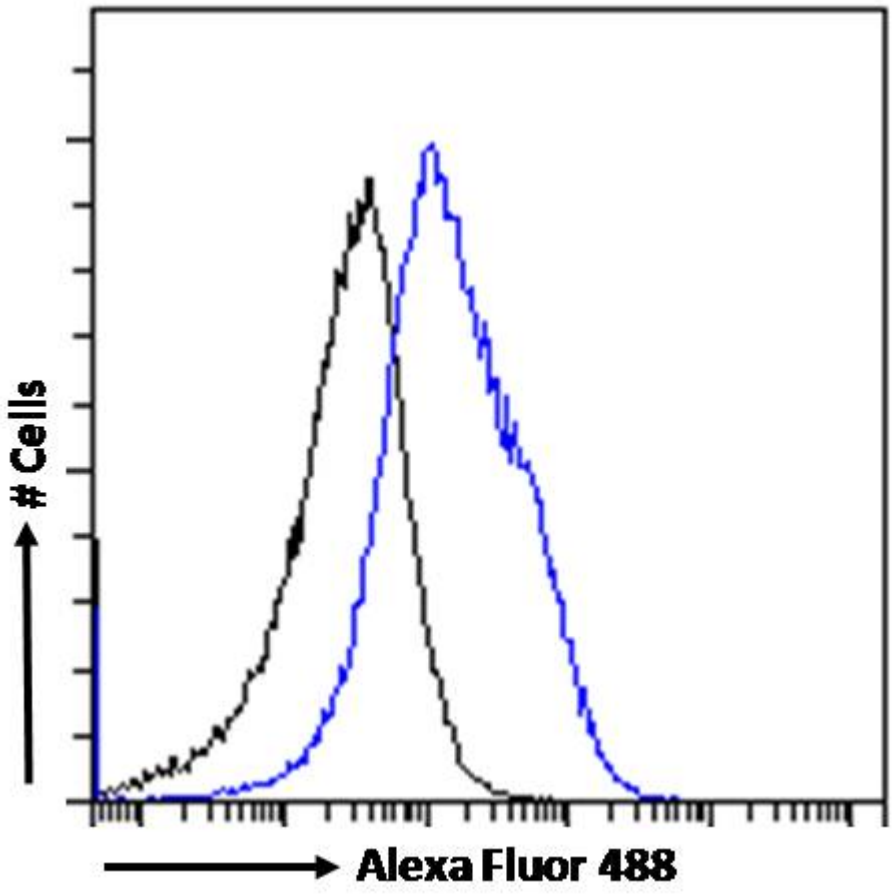


EB06667 Immunofluorescence analysis of paraformaldehyde fixed U2OS cells, permeabilized with 0.15% Triton. Primary incubation 1hr (10ug/ml) followed by Alexa Fluor 488 secondary antibody (2ug/ml), showing nuclear and cytoplasmic staining. The nuclear stain is DAPI (blue). Negative control: Unimmunized goat IgG (10ug/ml)

followed by Alexa Fluor 488 secondary antibody (2ug/ml).



EB06667 Immunofluorescence analysis of paraformaldehyde fixed Jurkat cells, permeabilized with 0.15% Triton. Primary incubation 1hr (10ug/ml) followed by Alexa Fluor 488 secondary antibody (2ug/ml), showing cytoplasmic staining. The nuclear stain is DAPI (blue). Negative control: Unimmunized goat IgG (10ug/ml) followed by Alexa Fluor 488 secondary antibody (2ug/ml).



EB06667 Flow cytometric analysis of paraformaldehyde fixed Jurkat 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.