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**Research Use Only. Not for
diagnostic or therapeutic use.**

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 incubation 1 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.

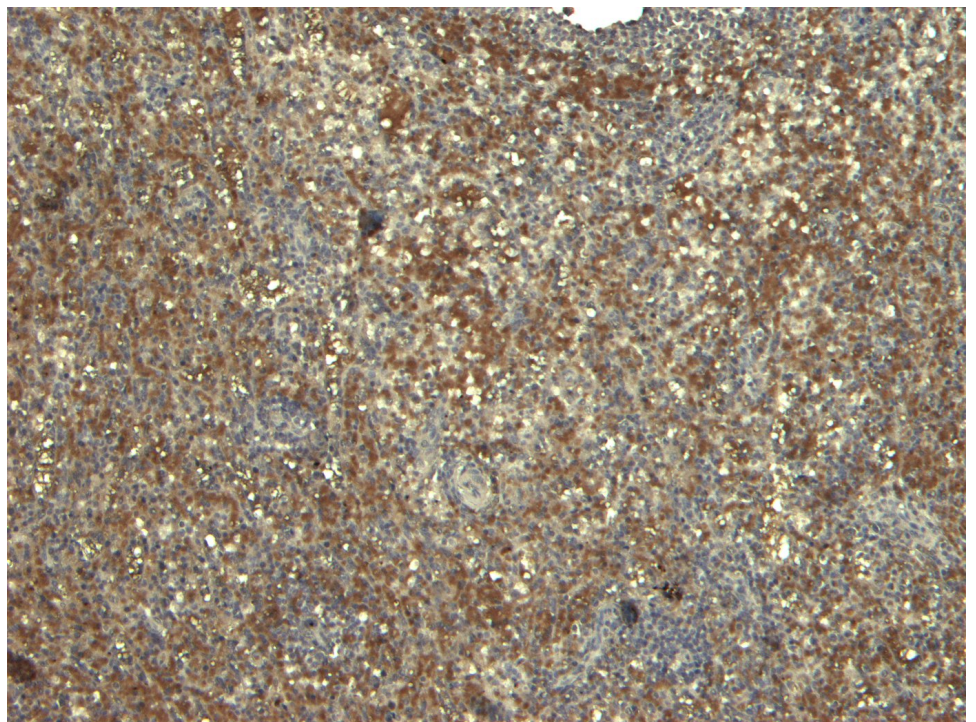
Species Reactivity

Tested: Human

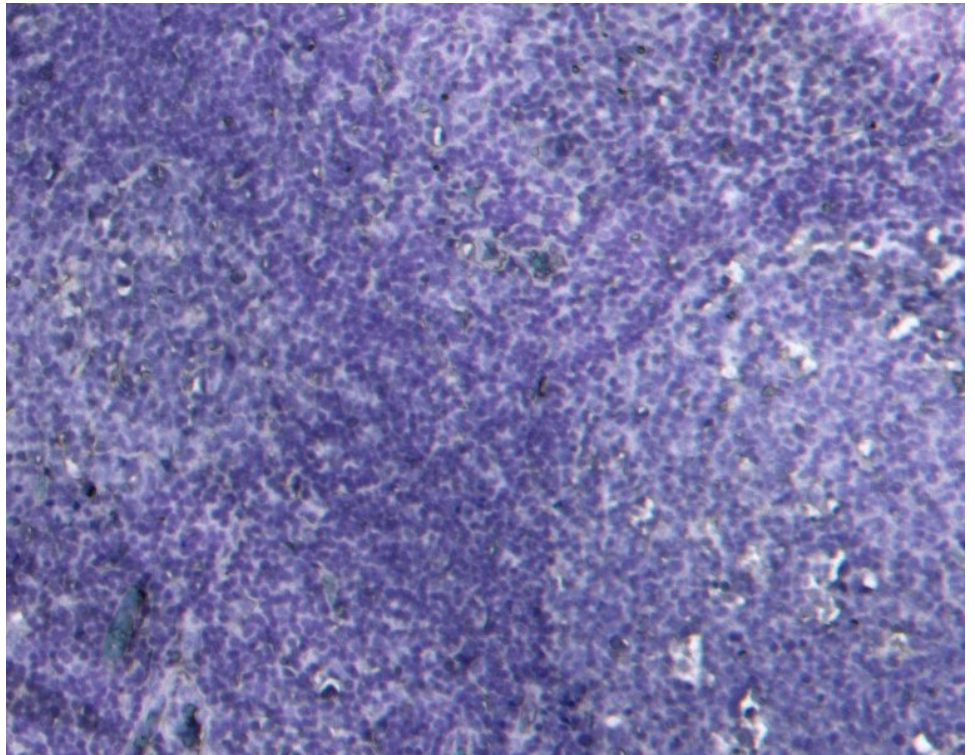
Expected from sequence similarity: Human, Mouse, Rat, Dog



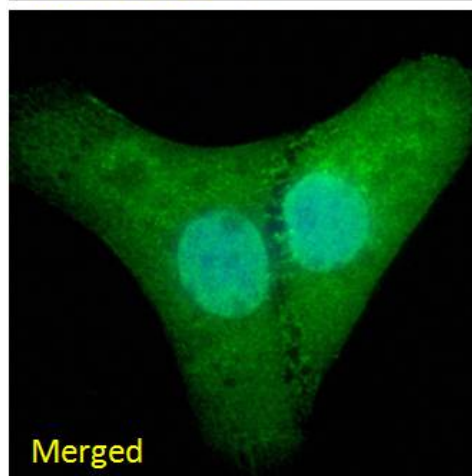
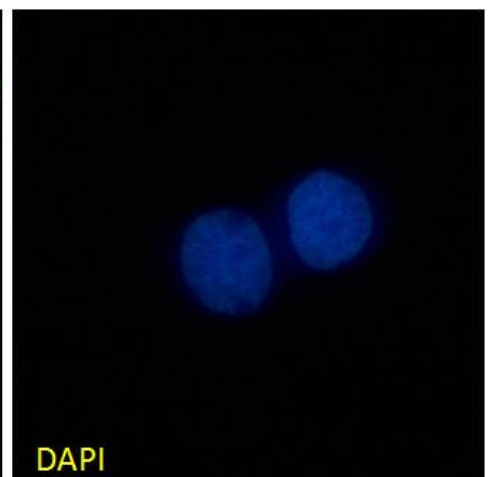
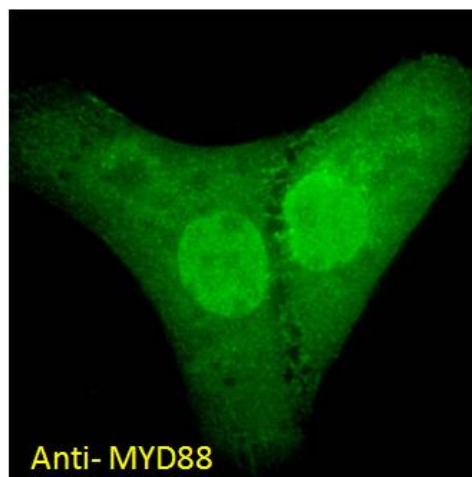
EB06667 (0.5 μ g/ml) staining of Human Spleen lysate (35 μ g protein in RIPA buffer). Detected by chemiluminescence.



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

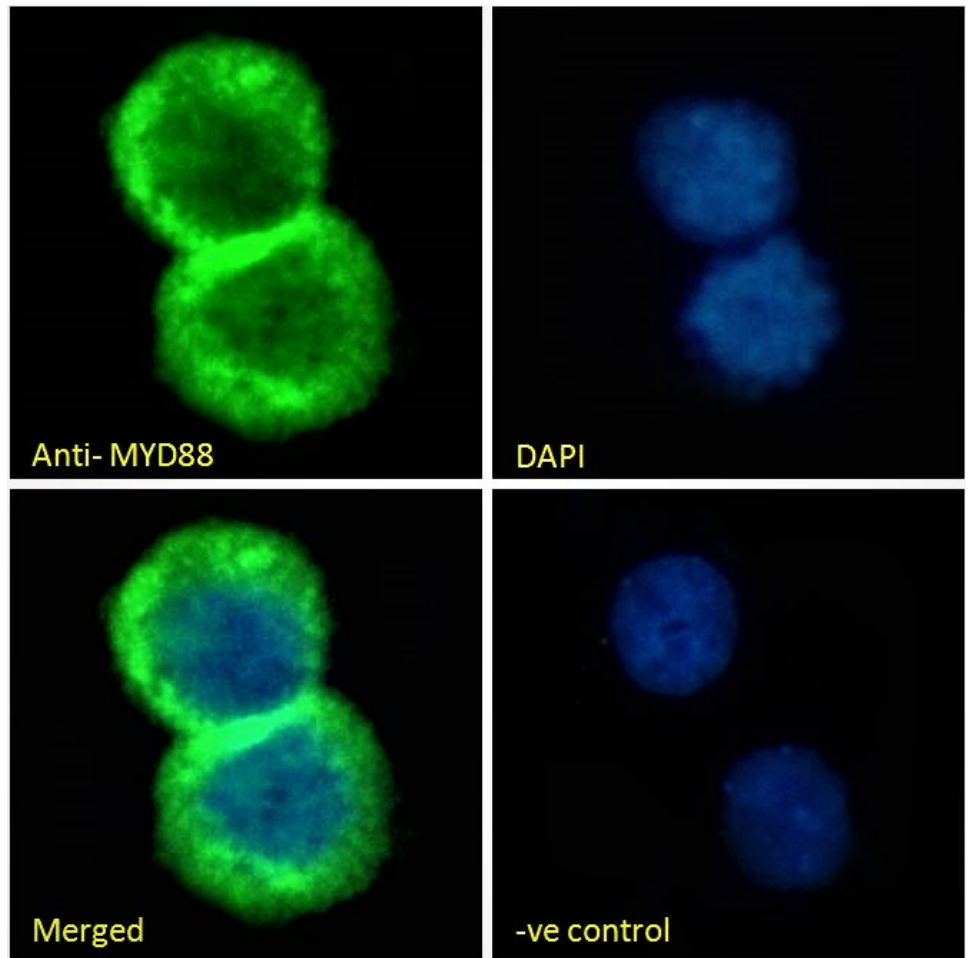


EB06667 Negative Control showing staining of paraffin embedded Human Tonsil, with no primary antibody.

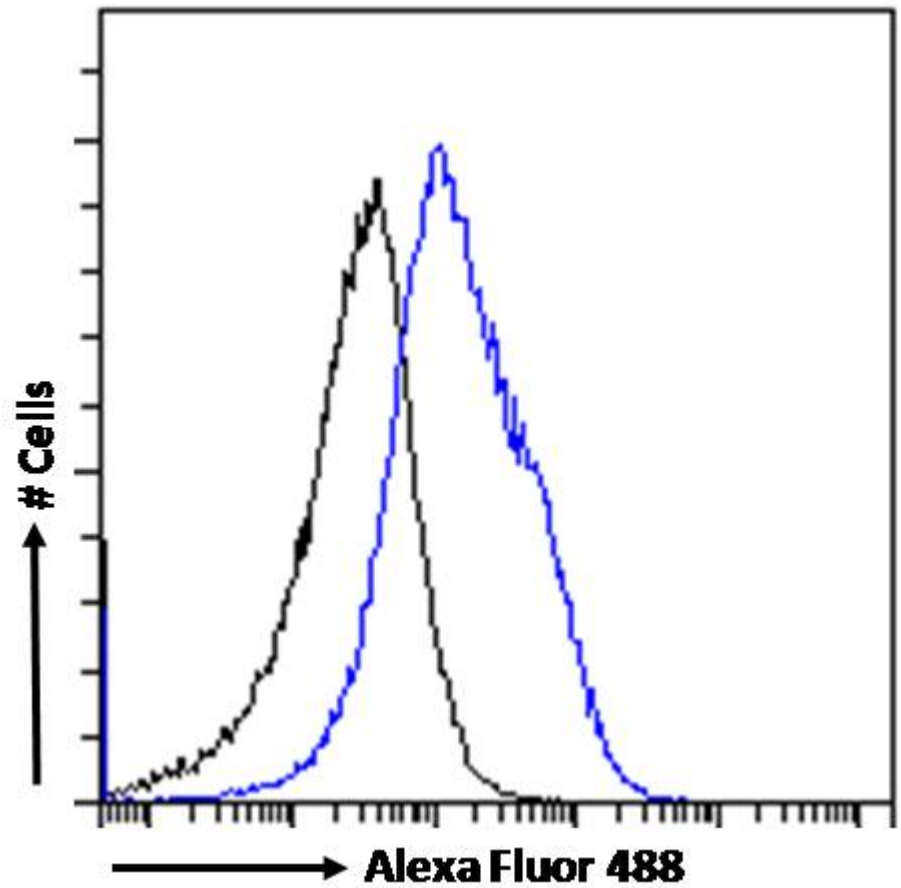


EB06667 Immunofluorescence analysis of paraformaldehyde fixed U2OS cells, permeabilized with 0.15% Triton. Primary incubation 1hr (10ug/ml) followed by Alexa Fluor 488 secondary antibody (2ug/ml), showing nuclear and cytoplasmic staining. The nuclear stain is DAPI (blue). Negative control: Unimmunized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