


Product datasheet

Anti-MyD88 antibody ab28763

[7 References](#) [5 Images](#)

Overview

Product name	Anti-MyD88 antibody
Description	Goat polyclonal to MyD88
Host species	Goat
Tested applications	Suitable for: IHC-P, ICC/IF, WB, Flow Cyt
Species reactivity	Reacts with: Human Predicted to work with: Mouse, Rat, Sheep, Cow, Dog 
Immunogen	Synthetic peptide: C-IKYKAM KKEFP , corresponding to Internal sequence amino acids 255-265 of Human MyD88. Run BLAST with Run BLAST with
Positive control	IHC-P: Human tonsil; ICC/IF: Jurkat and U2OS cells; Flow Cyt: Jurkat cells; WB: Human spleen lysate;
General notes	<p>The Life Science industry has been in the grips of a reproducibility crisis for a number of years. Abcam is leading the way in addressing this with our range of recombinant monoclonal antibodies and knockout edited cell lines for gold-standard validation. Please check that this product meets your needs before purchasing.</p> <p>If you have any questions, special requirements or concerns, please send us an inquiry and/or contact our Support team ahead of purchase. Recommended alternatives for this product can be found below, along with publications, customer reviews and Q&As</p>

Properties

Form	Liquid
Storage instructions	Shipped at 4°C. Upon delivery aliquot and store at -20°C. Avoid freeze / thaw cycles.
Storage buffer	pH: 7.30 Preservative: 0.02% Sodium azide Constituents: 0.5% Tris buffered saline, 0.5% BSA
Purity	Immunogen affinity purified
Purification notes	This antibody was purified from goat serum by ammonium sulphate precipitation, followed by antigen affinity chromatography using the immunizing peptide.

Clonality	Polyclonal
Isotype	IgG

Applications

The Abpromise guarantee Our **Abpromise guarantee** covers the use of ab28763 in the following tested applications.

The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

Application	Abreviews	Notes
IHC-P		Use a concentration of 4 - 6 µg/ml. Perform heat mediated antigen retrieval with Tris/EDTA buffer pH 9.0 before commencing with IHC staining protocol.
ICC/IF		Use a concentration of 10 µg/ml.
WB		Use a concentration of 0.1 - 0.3 µg/ml. Detects a band of approximately 33 kDa (predicted molecular weight: 33 kDa). 1 hour primary incubation is recommended for this product.
Flow Cyt		Use a concentration of 10 µg/ml.

Target

Function	Adapter protein involved in the Toll-like receptor and IL-1 receptor signaling pathway in the innate immune response. Acts via IRAK1, IRAK2, IRF7 and TRAF6, leading to NF-kappa-B activation, cytokine secretion and the inflammatory response. Increases IL-8 transcription. Involved in IL-18-mediated signaling pathway.
Tissue specificity	Ubiquitous.
Involvement in disease	Defects in MYD88 are the cause of MYD88 deficiency (MYD88D) [MIM:612260]; also known as recurrent pyogenic bacterial infections due to MYD88 deficiency. Patients suffer from autosomal recessive, life-threatening, often recurrent pyogenic bacterial infections, including invasive pneumococcal disease, and die between 1 and 11 months of age. Surviving patients are otherwise healthy, with normal resistance to other microbes, and their clinical status improved with age.
Sequence similarities	Contains 1 death domain. Contains 1 TIR domain.
Domain	The intermediate domain (ID) is required for the phosphorylation and activation of IRAK.
Cellular localization	Cytoplasm.

Images

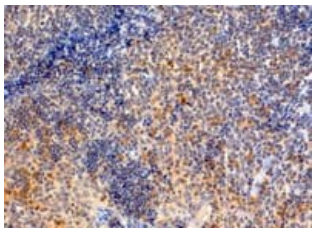


Western blot - Anti-MyD88 antibody (ab28763)

Anti-MyD88 antibody (ab28763) at 0.5 µg/ml + Human Spleen lysate at 35 µg

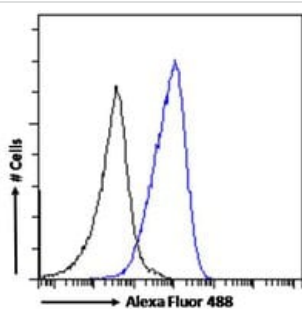
Predicted band size: 33 kDa

Lysates in RIPA buffer. Detected by chemiluminescence.



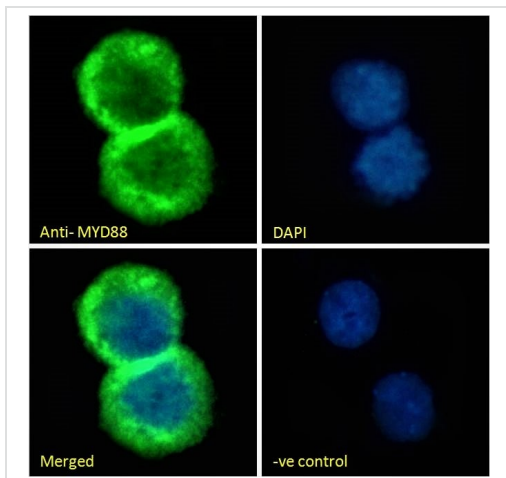
Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-MyD88 antibody (ab28763)

ab28763 (4µg/ml) staining of paraffin embedded Human Tonsil shows staining of clusters of cells some of which are likely plasma cells. Steamed antigen retrieval with Tris/EDTA buffer pH 9, HRP-staining.



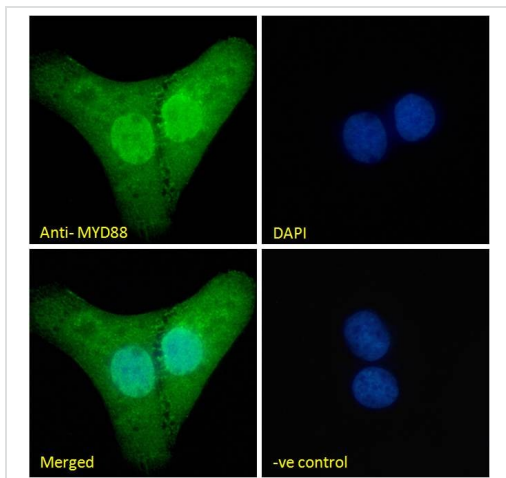
Flow Cytometry - Anti-MyD88 antibody (ab28763)

Flow cytometric analysis of paraformaldehyde fixed Jurkat cells (blue line), permeabilized with 0.5% Triton using ab28763 at 10µg/ml followed by Alexa Fluor 488 secondary antibody at 1µg/ml. IgG control: Unimmunized goat IgG (black line) followed by Alexa Fluor 488 secondary antibody.



Immunocytochemistry/ Immunofluorescence - Anti-MyD88 antibody (ab28763)

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



Immunocytochemistry/ Immunofluorescence - Anti-MyD88 antibody (ab28763)

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

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