

DESCRIPTION

Species Reactivity	Mouse/Rat
Specificity	Detects mouse and rat MyD88 in Western blots.
Source	Polyclonal Goat IgG
Purification	Antigen Affinity-purified
Immunogen	<i>E. coli</i> -derived recombinant mouse MyD88 Met1-Pro296 Accession # Q3U7M4
Conjugate	Alexa Fluor 750 Excitation Wavelength: 749 nm Emission Wavelength: 775 nm
Formulation	Supplied 0.2mg/ml in 1X PBS with RDF1 and 0.09% Sodium Azide
*Contains <0.1% Sodium Azide, which is not hazardous at this concentration according to GHS classifications. Refer to the Safety Data Sheet (SDS) for additional information and handling instructions.	

APPLICATIONS

Please Note: Optimal dilutions should be determined by each laboratory for each application. [General Protocols](#) are available in the Technical Information section on our website.

CyTOF-ready	Optimal dilution of this antibody should be experimentally determined.
Western Blot	Optimal dilution of this antibody should be experimentally determined.
Immunocytochemistry	Optimal dilution of this antibody should be experimentally determined.
Intracellular Staining by Flow Cytometry	Optimal dilution of this antibody should be experimentally determined.

PREPARATION AND STORAGE

Shipping	The product is shipped with polar packs. Upon receipt, store it immediately at the temperature recommended below.
Stability & Storage	Protect from light. Do not freeze. 12 months from date of receipt, 2 to 8 °C as supplied

BACKGROUND

Myeloid Differentiation primary response protein 88 (MyD88) is a 296 amino acid, 34 kDa, ubiquitously expressed, cytoplasmic adaptor protein involved in the signaling of TLR and IL-1 R family members. MyD88 contains an N-terminal death domain and a C-terminal Toll/IL-1 R (TIR) domain. Each domain seems to participate in protein-protein interactions, as the death domain is inactive. Upon Toll receptor ligation, MyD88 is recruited to the receptor and initiates a signaling cascade that results in NF-κB and JNK activation. The amino acid sequence of mouse MyD88 is 93% identical to that of rat MyD88.

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