

Anti-MyD88 (IN) Antibody

ORDERING INFORMATION

Catalog No.: 2125

Size: 100 ug IgG in PBS, pH 7.4, purified by immunoaffinity chromatography.

BACKGROUND

Cellular responses induced by the pro-inflammatory cytokine IL-1 require IL-1 receptor complex (IL-1R1 and IL-1RacP). Recently, MyD88 was identified as an adapter molecule in the IL-1 signaling pathway. MyD88 associates with and recruits IRAK to the IL-1 receptor. Dominant negative mutants of MyD88 attenuate IL-1R-mediated NF- κ B activation. MyD88 also functions as a regulator molecule for IL-18 receptor and human Toll receptor, members of the Toll/IL-1R family of receptors. Targeted disruption of the MyD88 gene results in loss of cellular responses to IL-1 and IL-18, and MyD88-deficient mice lack responses to LPS which require Toll-like receptors 2 and 4 (TLR2 and TLR4) as the signaling receptors. MyD88 is a general adapter protein for the Toll/IL-1R family of receptors and plays an important role in the inflammatory responses induced by cytokines IL-1, IL-18, and LPS. MyD88 is expressed in a variety of tissues.

SPECIFICATION SUMMARY

Antigen: Peptide corresponding to aa 233-248 of human MyD88. The sequence differs from mouse MyD88 by two amino acids.

Host Species: Rabbit

Stabilizers: None

Preservatives: 0.02% sodium azide.

SPECIFICITY

This antibody recognizes human and mouse MyD88 (35 kD).

APPLICATIONS

Immunoblotting: use at 1:500-1:1,000 dilution.

Positive control: Whole cell lysate from Jurkat cells.

DILUTION INSTRUCTIONS

Dilute in PBS or medium which is identical to that used in the assay system.

STORAGE AND STABILITY

This antibody is stable for at least one (1) year at -20°C. Avoid multiple freeze-thaw cycles.

For in vitro investigational use only. Not for use in therapeutic or diagnostic procedures.