

Product: Anti-MyD88 (IN)
Catalog #: 12-2125
Amount: 25 mg

CATEGORY:
DESCRIPTION:

Rabbit Polyclonal

Recently, MyD88 was identified as an adapter molecule in the IL-1 signaling pathway. MyD88 associates with and recruits IRAK to IL-1 receptor complex in response to IL-1 treatment and dominant negative form of MyD88 attenuates IL-1R-mediated NF- κ B activation. MyD88 is also employed as a regulator molecule by IL-18 receptor and human Toll receptor, which are members in 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 bacterial product LPS that employs 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 response induced by cytokines IL-1 and IL-18 and endotoxin. MyD88 gene is expressed in many tissues.

FORM:
IMMUNOGEN:

Purified Ig Fraction in PBS containing 0.02% Sodium Azide
A peptide corresponding to amino acids 233 to 248 of human MyD88, which differ from those of mouse by two amino acids.
Immunoblotting (min. dilution 1:500)
Human, mouse

APPLICATION:
REACTIVITY/SPECIES:
RECOMMENDED FOR
POSITIVE CONTROL:
STORAGE:

whole lysate from Jurkat cells (35 kDa band can be detected)
2-8°C for immediate use, or at -20°C (aliquot)

12-2125-1 Blocking peptide available

REFERENCES:

Muzio, M. et al. (1997) *Science* **278**: 1612-1615
Adachi, O. et al. (1998) *Immunity* **9**: 143-150
Medzhitov, R. et al. (1998) *Mol Cell* **2**: 253-258
Kawai, T. et al. (1999) *Immunity* **11**: 115-122
Bonnert, TP et al. (1997) *FEBS Lett* **402**: 81-84

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