

## Anti-MyD88 (CT) Antibody

### **ORDERING INFORMATION**

**Catalog No.:** 2127

**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- $\kappa$ 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 279-296 of human MyD88. The sequence is identical to that of mouse MyD88.

**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.*