

**Product:** Anti-MyD88 (CT)  
**Catalog #:** 12-2127  
**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- $\kappa$ 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 279 to 296 of human MyD88, which are identical to those of mouse.

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

Immunoblotting (min. dilution 1:500)  
Human, mouse

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

**12-2127-1 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

This product is sold for laboratory research use or further manufacturing only and should not be used for human therapeutic or diagnostic applications. The information presented is believed to be accurate; however, said information and products are offered without warranty or guarantee since the ultimate conditions of use and the variability of the materials treated are beyond our control. Nothing disclosed herein is to be construed as a recommendation to use our products in violation of any patents. Under no circumstances shall ARP American Research Products, Inc. be liable for damages, whether consequential, compensatory, incidental or special, strict liability or negligence, breach of warranty or any other theory arising out of the use of the products available from ARP American Research Products, Inc. Nothing contained herein warrants that the use of the products will not infringe on the claims of any patents covering the product itself or the use thereof in combination with other products or in the operation of any process.