

**MONOCLONAL ANTIBODY TO
MOUSE INTERLEUKIN-1 RECEPTOR TYPE I (p80)
Clone D1f3**



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| Catalog nr | HM1024 (lot number and expiry date are indicated on the label) |
| Description | The monoclonal antibody binds to soluble mouse interleukin-1 receptor type I. The IL-1 system includes two agonists (IL-1alpha and IL-1beta), converting enzymes, antagonists, two receptors (IL-1 RI and IL-1 RII) and the IL-1 receptor accessory protein. Interleukin-1 signal is transduced through the type I receptor. |
| Species | Rat IgG ₁ |
| Formulation | 1 ml (100 µg/ml) 0.2 µm filtered antibody solution in PBS, containing 0.02% sodium azide and 0.1% bovine serum albumin. |
| Application | The antibody can be used for Western blotting. Furthermore the antibody is useful for inhibition in biological assays, in vitro as well as in vivo. Although for in vitro use the monoclonal antibody HM1022 (clone Reg21) is recommended. |
| Use | For Western blotting dilutions to be used depend on detection system applied. It is recommended that users test the reagent and determine their own optimal dilutions. The typical starting working dilution is 1:10. For neutralization of biological activity dilutions have to be made according to the amounts IL-1 RI to be inactivated. Before use in biological assays, the product must be filter sterilized and depending on the concentration to be used dialyzed against culture medium to remove the sodium azide added. Please inquire for availability of azide free solutions. |
| Storage and stability | Product should be stored at 4°C. Under recommended storage conditions, product is stable for one year. |
| Precautions | For research use only. Not for use in or on humans or animals or for diagnostics. It is the responsibility of the user to comply with all local/state and Federal rules in the use of this product. Hbt is not responsible for any patent infringements that might result with the use of or derivation of this product. |
| References | <ol style="list-style-type: none">1. Kojouharoff, G et al; Neutralization of tumour necrosis factor (TNF) but not of IL-1 reduces inflammation in chronic dextran sulphate sodium induced colitis in mice. <i>Clin Exp Immunol</i> 1997, <i>107</i>: 3532. Stern, A et al; Purification to homogeneity and amino acid sequence analysis of a receptor protein for interleukin-1. <i>Arch Biochem Biophys</i> 1989, <i>274</i>: 26 |
| Also available | HM1022 Monoclonal antibody against Mouse IL-1 RI, clone Reg21 HM1023 Monoclonal antibody against Mouse IL-1 RI, clone Reg20 HM1025 Monoclonal antibody against Mouse IL-1 RI, clone D14e3 |