

**MONOCLONAL ANTIBODY TO
MOUSE INTERLEUKIN 10**
Clone JES5-2A5



Catalog nr	HM1008b (lot number and expiry date are indicated on the label)
Description	<p>The anti-mouse interleukin 10 (IL-10) antibody neutralizes the biological activity of mouse IL-10. It does not cross-react with human IL-10. Mouse interleukin 10 (IL-10) is a multifunctional 30-40 kDa cytokine which is produced by T_{H2} mouse T Helper cell clones and which inhibits the synthesis of several cytokines by T_{H1} cells. Interleukin 10 was for this reason originally known as the Cytokine Synthesis Inhibitory Factor (CSIF). Interleukin 10 has activities which involve a wide variety of cell types. These activities include inhibition of macrophage cytokine synthesis; inhibition of antigen presentation (selective for T_{H1} cells); enhancement of B-cell survival; enhancement of MHC class II expression; contribution to the overall function of T_{H2} cells.</p> <p>Mouse IL-10 has been shown to exhibit extensive sequence similarity to human IL-10 and to an open reading frame in the Epstein-Barr virus genome BLRF-1. In contrast to human IL-10 which is active on mouse cells, mouse IL-10 is not active in human cells.</p> <p>Given the aforementioned range of effects of IL-10 and its potential anti-inflammatory properties, antibodies capable of blocking the biological activity are clearly essential in the study of these effects.</p>
Species	Rat IgG ₁
Formulation	Lyophilized product in PBS, containing 500 µg. Reconstitute the vial by injection of 0.5 ml sterile distilled or de-ionized water (Caution: vial is under vacuum).
Application	The antibody can be used for neutralisation of the biological activity of mouse IL-10. Furthermore the antibody is useful as detection antibody in ELISA and for immunoprecipitation.
Use	For neutralisation of biological activity in vitro dilutions have to be made according to the amount of IL-10 to be inactivated.
Storage and stability	Lyophilized product should be stored at 4°C. Store stock solution in aliquots at -20°C. Repeated freeze and thaw cycles will cause loss of activity. 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.
Also available	HM1008a Monoclonal antibody against Mouse IL-10, clone JES5-2A5; 100 µg