

**MONOCLONAL ANTIBODY TO
HUMAN RECOMBINANT INTERLEUKIN 2 (IL-2)
Clone F16**



Catalog nr	HM2012 (lot number and expiry date are indicated on the label)
Description	Monoclonal antibody to recombinant human IL-2 exhibits neutralizing activity of the proliferating effect of recombinant IL-2 on IL-2 dependent cell lines. Interleukin 2 (IL-2) is characterized as a 55 kDa glycoprotein consisting of 251 amino acids. IL-2 is essential for the initiation and maintenance of a normal immune response. IL-2 is a T cell-derived cytokine which was first described as a T cell growth factor (TCGF). It is known to stimulate growth and differentiation of T cells, B cells, NK cells, LAK cells, monocytes, macrophages and oligodendrocytes.
Species	Mouse IgG _{2a}
Formulation	Lyophilized product in PBS, containing 100 µg antibody. Reconstitute the vial by injection of 1 ml sterile distilled or de-ionized water (Caution: vial is under vacuum).
Application	The antibody exhibits neutralizing activity on the proliferating effect of human recombinant IL-2 on IL-2 dependent cell lines.
Use	For neutralization of biological activity in vitro dilutions have to be made according to the amounts of IL-2 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.
References	1. Smith, KA et al; Production and characterization of monoclonal antibodies to human interleukin 2: strategy and tactics. J Immunol 1983, <i>131</i> : 1808
Also available	HP9004 Polyclonal antibody against Human IL-2