

**MONOCLONAL ANTIBODY TO
HUMAN RECOMBINANT INTERFERON ALPHA 2b (IFN-alpha 2b)
Clone CB-IFNA2.3**



Catalog nr	HM2013b (lot number and expiry date are indicated on the label)
Description	The Interferon alpha gene family is comprised of 16 or 17 gene copies per haploid chromosome and a considerable allelic variation. So far more than 30 different gene products have been identified all of which have the same similar biological properties although the specific activity may differ. This antibody is able to inhibit most of the biological effects of Interferon alpha. The biological effects of IFN-alpha include antiviral activity; anti-proliferative activity; stimulation of cytotoxic activities in lymphocytes, natural killer cells, and macrophages; and modulation of the major histocompatibility complex. Particularly important in the field of oncology is the fact that some tumor cell lines are very sensitive to the anti-proliferative effect of IFN-alpha. The antibody recognizes both recombinant and natural IFN-alpha 2b with high affinity.
Species	Mouse IgG ₁
Formulation	Lyophilized product in PBS, containing 500 µg antibody. Reconstitute the vial by injection of 0.5 ml sterile distilled or de-ionized water (Caution: vial is under vacuum).
Application	The antibody neutralizes the activity of IFN-alpha 2b and shows no cross reactivity with beta and gamma Interferons. It is also useful for immuno assays and recognizes a different antigenic determinant than that recognized by IFNA2.4 (HM2014). Furthermore the antibody can be used for immuno precipitation
Use	For neutralization of biological activity dilutions have to be made according to the amounts of IFN-alpha 2b 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. Kawade, Y et al; Quantitation of neutralization of interferon by antibody. <i>Methods Enzymol</i> 1986, <i>119</i> : 558
Also available	HM2013a Monoclonal antibody against Human IFN-alpha 2b, clone IFNA2.3; 100 µg HM2014a onoclonal antibody against Human IFN-alpha 2b, clone IFNA2.4; 100 µg HM2014b Monoclonal antibody against Human IFN-alpha 2b, clone IFNA2.4; 500 µg