

REV: 12/16

PRODUCT INFORMATION SUMMARY

Anti-human IFN Beta (Polyclonal Rabbit)

Purified Polyclonal Antibody	Product Number	RHF842	0.1 mg
Biotin Conjugate	Product Number	RHF842B	50.0 ug

SPECIFICITY:

Rabbit polyclonal antibodies to human interferon beta, produced from highly purified recombinant human IFN Beta immunogen. Antiserum further purified by **Antigen-Affinity** chromatography, to produce highly specific, high titre preparation.

SOURCE: Rabbit antiserum, antigen-affinity purified.

RESEARCH APPLICATIONS:

Identification of human IFN Beta in body fluids and tissue sections.

ELISA: Antibody concentration of 0.5 ug/mL -1.0 ug/mL (100 uL/well) was used to detect APPROXIMATELY 40.0 pg/mL human IFN Beta. Customer must optimize. For **Biotin conjugate** use at concentration of 0.2ug/mL - 0.5 ug/mL. (Optimize)

NEUTRALIZING ACTIVITY: Antibody concentration of approx. 2.6 ug/mL yields one-half maximal inhibition [ND50] of the biological activity of Human IFN- β (5.00 μ g/ml).

WESTERN BLOT: Antibody concentration of 0.2 ug/mL was used to detect 2.5 ng/lane recombinant human IFN Beta under both reducing or non-reducing conditions.

IHC: This antibody stained formalin-fixed, paraffin-embedded sections of human normal placenta. Antibody concentration of approx. 0.70 μ g/ml with an overnight incubation at 4°C. Detection: HRP-labeled polymer system with a DAB chromogen. Heat induced antigen retrieval with a pH 6.0 sodium citrate buffer is recommended. Optimal concentrations and conditions may vary.

HANDLING AND STORAGE:

Purified polyclonal antibody provided sterile-filtered and lyophilized in PBS. Reconstitute with 100 uL sterile water. (For **Biotin conjugate**, reconstitute with 500 uL sterile water **containing 0.1% BSA**). These preparations should be diluted in a protein-containing or other stabilizing medium to a concentration suitable for use in specific protocols. Contains no preservatives. Small aliquots may be frozen at -20° C for long-term storage. Avoid repeat freeze-thaw cycles.

RESEARCH USE ONLY. NOT INTENDED FOR DIAGNOSTIC OR THERAPEUTIC USE.