

## IFN-beta Antibody

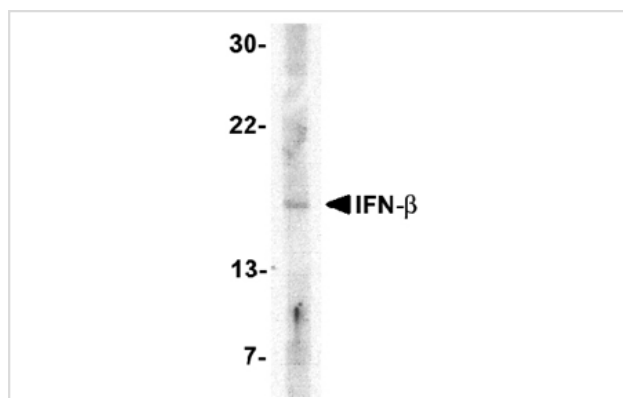
Catalog No: #24540

Package Size: #24540 100ul

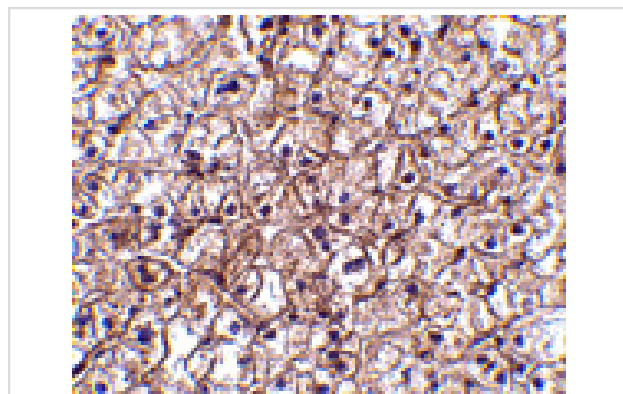
## Description

|                       |                                                                                                                                                                                                 |
|-----------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Product Name          | IFN-beta Antibody                                                                                                                                                                               |
| Host Species          | Rabbit                                                                                                                                                                                          |
| Clonality             | Polyclonal                                                                                                                                                                                      |
| Purification          | Affinity chromatography purified via peptide column                                                                                                                                             |
| Applications          | ELISA WB IHC                                                                                                                                                                                    |
| Species Reactivity    | Hu Ms                                                                                                                                                                                           |
| Immunogen Type        | Peptide                                                                                                                                                                                         |
| Immunogen Description | Raised against a 17 amino acid peptide from near the center of human IFN-b.                                                                                                                     |
| Conjugates            | Unconjugated                                                                                                                                                                                    |
| Target Name           | IFN-beta                                                                                                                                                                                        |
| Other Names           | Interferon beta, beta-interferon                                                                                                                                                                |
| Accession No.         | Swiss-Prot:P01574Gene ID:3456                                                                                                                                                                   |
| Concentration         | 1mg/ml                                                                                                                                                                                          |
| Formulation           | Supplied in PBS containing 0.02% sodium azide.                                                                                                                                                  |
| Storage               | Can be stored at -20°C, stable for one year. As with all antibodies care should be taken to avoid repeated freeze thaw cycles. Antibodies should not be exposed to prolonged high temperatures. |

## Images



Western blot analysis of IFN-b in A-20 cell lysate with IFN-b antibody at 5 ug/mL.



Immunohistochemistry of IFN-b in human liver tissue with IFN-b antibody at 5 ug/mL.

## Background

Type I Interferons (IFN-alpha/beta) are produced primarily in response to viral infection by "Natural IFN-producing cells" (IPCs) as part of the host immune response and can also inhibit the development of tumors. IFN-beta binding by its receptor results in the activation of the tyrosine kinases Jak1 and Tyk2 and phosphorylation of members of the STAT family of transcription factors, leading to the transcription and expression of the immune response genes. More recently, several members of the toll-like receptor (TLR) family were found to stimulate the production IFN-beta. IFN-beta is currently used clinically for treatment of tumors, infections and multiple sclerosis.

## Published Papers

Chen Guiming;Hu Bingrong;Jiang Yong;Li Lei;Li Shan;Luo Haihua;Luo Sidan;Wang Juan;Xu Jia et al., Sustained induction of IP-10 by MRP8/14 via the IFN $\beta$  IRF7 axis in macrophages exaggerates lung injury in endotoxemic mice, , (2023)

[PMID:37701855](#)

Note: This product is for in vitro research use only and is not intended for use in humans or animals.