



## **Antigen-Affinity Purified Polyclonal Antibodies**

### **Anti-human IFN- $\beta$**

**Description:** Produced from sera of rabbits pre-immunized with highly pure (>98%) recombinant human IFN- $\beta$  (human Interferon-beta). Anti-human IFN- $\beta$  specific antibody was purified by affinity chromatography employing immobilized human IFN- $\beta$  matrix.

<b>Host species:</b>	Rabbits
<b>Antigen:</b>	Recombinant human IFN- $\beta$
<b>Purification:</b>	Affinity chromatography
<b>Stabilizer:</b>	none
<b>Buffer:</b>	PBS; pH 7.2
<b>Formulation:</b>	lyophilized

**Reconstitution:** Reconstitute in sterile water to a concentration of 0.1-1.0 mg/ml.

**Stability/Storage:** The lyophilized antibody is stable at room temperature for up to one month. The reconstituted antibody is stable for at least two weeks at 2-8°C. Frozen aliquots are stable for at least 6 months when stored at -20°C. **Avoid repeated freeze-thaw cycles.**

#### **Applications**

**Neutralization:** To yield one-half maximal inhibition [ND50] of the biological activity of human IFN-beta (5.00  $\mu$ g/ml), a concentration of 2.5  $\mu$ g/ml of this antibody is required.

**Western Blot:** To detect human IFN- $\beta$  by Western Blot analysis this antibody can be used at a concentration of 0.1 - 0.2  $\mu$ g/ml. Used in conjunction with compatible secondary reagents the detection limit for recombinant human IFN- $\beta$  is 1.5 - 3.0 ng/lane, under either reducing or non-reducing conditions.

**Sandwich ELISA:** To detect human IFN- $\beta$  by direct ELISA (using 100  $\mu$ l/well antibody solution) a concentration of at least 0.5  $\mu$ g/ml of this antibody is required. This antigen affinity purified antibody, in conjunction with compatible secondary reagents, allows the detection of 0.2 - 0.4 ng/well of recombinant human IFN- $\beta$ .

**Usage:** Anti human IFN- $\beta$  is offered for research use. Not for drug use. **Not for human use.**

<b>Catalogue number:</b>	CYT-26615	<b>Size:</b>	100 $\mu$ g
--------------------------	-----------	--------------	-------------