

## Data sheet Polyclonal antibody to rat interferon beta (IFN- $\beta$ )

Cat. No.:	CT024
Isotype:	Rabbit Ig
Antigen:	For immunization recombinant rat IFN- $\beta$ (CHO-derived) is used.
Purification:	Antibodies were sequentially purified by ammonium sulphate precipitation and protein A-affinity chromatography.
Packaging:	Lyophilized and vacuum-packed.
Contents:	0.5 mg/vial
Buffer:	Prior to lyophilization: 0.5 ml PBS + 125 mM trehalose.
Specificity:	Neutralizes both natural and recombinant rat IFN- $\beta$ . Cross-reactivity with human IFN- $\beta$ has not been tested.
Activity:	> 5 x10 <sup>3</sup> neutralizing units/mg IgG.
Neutralizing unit:	One neutralizing unit is defined as the total amount of antibodies sufficient for neutralizing one laboratory unit of recombinant rat IFN- $\beta$ (one unit corresponds with approximately 15 pg of pure rat IFN- $\beta$ ).
Sterility:	Membrane filtered (0.2 $\mu$ m).
Reconstitution:	Dissolve the contents of the vial by injection of 0.5 ml sterile distilled water.
Stability:	Lyophilized product is stable for at least one year at 4°C (expiry date is indicated on the vial). After reconstitution, the contents can be safely stored at 4°C for one month or for one year at -20°C. Add 0.02% sodiumazide to prevent bacterial growth.
Quantitation:	Antibody concentration was determined by absorbance, taking A280=1.4 for a 1 mg/ml solution.
Application:	ELISA <i>In vitro</i> neutralization Western blot analysis
References:	Ruuls, S.R. <i>et al.</i> 1996. J. Immunol. 157: 5721 Zou, L.P. <i>et al.</i> 1999. Neuroscience Res. 56: 123

