

Data sheet

Polyclonal antibody to rat interferon alpha₁ (IFN- α_1)

Cat. No.:	CT023
Isotype:	Rabbit Ig
Antigen:	For immunization recombinant rat IFN- α_1 (Baculovirus-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- α_1 .
Activity:	$\geq 10^4$ 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- α_1 (one unit corresponds with approximately 5 μ g of pure rat IFN- α_1).
Sterility:	Membrane filtered (0.2 μ 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 $A_{280}/1.4$ for a 1 mg/ml solution.
Application:	<i>In vitro</i> neutralization Western blot analysis
References:	Dijkema, R. <i>et al.</i> 1984. Nucleic Acids Res. 12: 1227 Van der Meide, P.H. <i>et al.</i> 1986. Methods Enzymol. 119: 441

