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Data sheet

Polyclonal antibody to rat interferon alpha₁ (IFN-α₁)

Cat. No.	CT023
Isotype	Rabbit Ig
Immunogen	Recombinant rat IFN-α ₁ (Baculovirus-derived)
Purification	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	≥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 pg of pure rat IFN-α ₁).
Sterility	Membrane filtered (0.2 μm)
Reconstitution	Dissolve the contents of the vial by injection of 0.5 ml sterile distilled water.
Stability	Lyophilized product is stable for ≥1 year at 2-8°C (see vial for expiry). After reconstitution, store at 2-8°C for up to one month if sterile. For long-term use, aliquot the solution and freeze at -32 to -18°C (stable ≥1 year). Add 0.02% sodium azide to prevent bacterial growth.
Quantitation	Antibody concentration was determined by absorbance, taking A280=1.4 for a 1 mg/ml solution.
Application	<i>In vitro</i> neutralization Western blot analysis

