U-CyTech biosciences

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Data sheet — **Polyclonal antibody to rat interferon alpha$_1$ (IFN-α$_1$)**

Cat. No. — **CT023**

Isotype	Rabbit Ig
Immunogen	Recombinant rat IFN-α$_1$ (Baculovirus-derived)
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 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 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% sodium azide to prevent bacterial growth.
Quantitation	Antibody concentration was determined by absorbance, taking A280=1.4 for a 1 mg/ml solution.
Application	*In vitro* neutralization Western blot analysis

References can be found in the Reference Database at www.ucytech.com/references.

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