U-CyTech BV

Yalelaan 48
3584 CM Utrecht
The Netherlands
P +31.85.073 1460
info@ucytech.com
www.ucytech.com

Data sheet Polyclonal antibody to rat interferon alpha$_1$ (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:	≥ 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% sodiumazide 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:	Dijkema, R. *et al*. 1984. Nucleic Acids Res. 12: 1227 Van der Meide, P.H. *et al*. 1986. Methods Enzymol. 119: 441