

Data sheet Monoclonal antibody to human interferon alpha (IFN- α)

Cat. No.:	CT251
Clone:	MC-16
Isotype:	Mouse IgG ₁
Antigen:	For immunization recombinant human IFN- α Con1 is used.
Production:	<i>In vitro</i> using serum free medium.
Purification:	Ion exchange chromatography.
Packaging:	Lyophilized and vacuum-packed.
Contents:	0.5 mg/vial
Buffer:	Prior to lyophilization: 0.5 ml PBS + 125 mM trehalose.
Specificity:	Binds with high affinity to natural human IFN- α , recombinant human IFN- α Con1, IFN- α 2A/B and natural rhesus macaque IFN- α but does not neutralize its antiviral bioactivity <i>in vitro</i> . The antibody exerts no binding activity towards mouse and rat IFN- α , human IFN- β and human IFN- γ .
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:	Immunohistochemistry Western blot analysis
References:	Brok, H.P.M., <i>et al.</i> 2007. J. Neuroimmunol. 182: 135-152 Kap, Y.S., <i>et al.</i> 2009. J. Histochem. Cytochem. 57: 1159-1167 Laman, J.D. <i>et al.</i> 1998. J. Neuroimmunol. 86: 30-45

