

Data sheet Monoclonal antibody to human interleukin 4 (IL-4)

Cat. No.:	CT253
Clone:	5B5
Isotype:	Mouse IgG ₁
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 efficiency to natural and recombinant human IL-4. Efficiently inhibits IL-4-induced IgE production and IL-4-induced T cell proliferation.
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:	Coating antibody in ELISA and ELISPOT systems Immunohistochemistry <i>In vitro</i> neutralization
References:	Boven, L.A. <i>et al.</i> 2006. Brain 129: 517-526 Van der Pouw Kraan, T. <i>et al.</i> 1993. Eur. Cytokine Netw. 4: 343-349

