



Manufactured By: U-CyTech Biosciences

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| Data sheet | Monoclonal antibody to monkey interleukin 4 (IL-4) |
| Cat. No.: | ACT103 |
| Clone: | QS-4 |
| 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 rhesus macaque, cynomolgus monkey, pig-tailed macaque, barbary macaque, baboon and African green monkey 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: | De Swart, R.L. <i>et al.</i> 2002. J. Virology 76: 11561-11569 Fallon, P.G. <i>et al.</i> 2003. J. Infect. Diseases 187: 939-945 Van der Meide, P.H. <i>et al.</i> 2002. Vaccine 20: 2296-2302 |