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|-------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Data sheet</b> | <b>Monoclonal antibody to monkey interleukin 4 (IL-4)</b>                                                                                                                                                                                                                               |
| <b>Cat. No.</b>   | <b>CT103</b>                                                                                                                                                                                                                                                                            |
| Clone             | QS-4                                                                                                                                                                                                                                                                                    |
| Isotype           | Mouse IgG <sub>1</sub> , κ                                                                                                                                                                                                                                                              |
| 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       | Natural IL-4 of rhesus macaques, cynomolgus monkeys, pig-tailed macaques, barbary macaques, baboons and African green monkeys binds with high efficiency. 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 ≥1 year at 2-8°C (see vial for expiry). After reconstitution, store at 2-8°C for up to one month if sterile. For long-term use, aliquot the solution and freeze at -32 to -18°C (stable ≥1 year). Add 0.02% sodium azide to prevent bacterial growth. |
| Quantitation      | Antibody concentration was determined by absorbance, taking A <sub>280</sub> =1.4 for a 1 mg/ml solution.                                                                                                                                                                               |
| Application       | ELISA and ELISPOT assays<br>Immunohistochemistry<br><i>In vitro</i> neutralization                                                                                                                                                                                                      |

