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## Data sheet

## Monoclonal antibody to human interleukin 4 (IL-4)

|                 |                                                                                                                                                                                                                                                                                   |
|-----------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Cat. No.</b> | <b>CT253</b>                                                                                                                                                                                                                                                                      |
| Clone           | 5B5                                                                                                                                                                                                                                                                               |
| Isotype         | Mouse IgG <sub>1</sub> , κ                                                                                                                                                                                                                                                        |
| Immunogen       | Recombinant human IL-4                                                                                                                                                                                                                                                            |
| 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.<br>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 2 to 8°C (expiry date is indicated on the vial). After reconstitution, the contents can be safely stored at 2 to 8°C for one month or for one year at -32 to -18°C.<br>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                                                                                                                                                                                                |

