

IL6

Mouse Anti-Human IL-6 Clone UC-6 mAb

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|---------------------------------|--|------------------|--------|
| Catalog No. | CMI262 | Quantity: | 0.5 mg |
| Alternate Names: | HGF, HSF, BSF2, IL-6, IFNB2 | | |
| Description: | <p>IL-6 is a cytokine that functions in inflammation and the maturation of B cells. In addition, it has been shown to be an endogenous pyrogen capable of inducing fever in people with autoimmune diseases or infections. The protein is primarily produced at sites of acute and chronic inflammation, where it is secreted into the serum and induces a transcriptional inflammatory response through interleukin 6 receptor, alpha. The malfunction of IL-6 has been associated with a wide range of inflammation-associated disease states, including susceptibility to diabetes mellitus and systemic juvenile rheumatoid arthritis.</p> | | |
| Gene ID: | 3569 | | |
| Concentration: | 1 mg/ml | | |
| Production: | <i>In vitro</i> using serum free medium. | | |
| Specificity: | <p>Binds with similar affinity to natural and recombinant human IL-6. Shows full cross-reactivity with IL-6 from several Old World monkeys</p> | | |
| Sterility: | Membrane filtered (0.2 µm). | | |
| Isotype: | Mouse IgG1 | | |
| Clone: | UC-6 | | |
| Buffer: | Lyophilized from a 0.5 ml solution of PBS + 125 mM trehalose. | | |
| Purification: | Ion exchange chromatography. | | |
| Reconstitution: | Dissolve the contents of the vial by injection of 0.5 ml sterile distilled water. | | |
| Quantitation: | Antibody concentration was determined by absorbance, taking A280=1.4 for a 1 mg/ml solution. | | |
| Applications: | Coating antibody in ELISA, <i>In vitro</i> neutralization | | |
| Packaging: | Lyophilized and vacuum-packed. | | |
| Storage & Stability: | <p>Lyophilized product is stable for at least one year at 2-4°C. After reconstitution, the contents can be safely stored at 2-4°C for one month or for one year at -20° to -80°C. In solution, add 0.02% sodium azide to prevent bacterial growth.</p> | | |

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