

IL-6, Clone MP5-20F3 Monoclonal Antibody

Catalog No.: MON 5073

Quantity: 100 µg

Specificity

This anti-mIL-6 neutralizes specific mouse IL-6. It does not cross-react with LPS (the component of the bacterial cell wall which is considered responsible for the toxicity of gram-negative bacteria) and TNF- α nor does it bind to either human or rat IL-6. The anti-mIL-6 inhibits IL-6 induced proliferation of the B9 assay. Interleukin 6 (IL-6) is a pluripotent 20-22 kDa cytokine which plays a role in the pathophysiology of severe infection and regulates the immune response, acute phase reaction and haematopoiesis. IL-6 plays a critical role in B-cell differentiation to plasma cells and is a potent growth factor for plasmacytoma and myeloma. Continuous IL-6 gene expression makes an essential contribution to a multistep oncogenesis of plasma cell neoplasia. IL-6 is a very useful culture supplement for the generation of a high number of antibody-producing hybridomas.

Immunoglobulin type

Rat IgG1

Use

In addition to the above this anti-IL-6 Mab is useful in the immunochemical investigations of murine IL-6 in structural studies and for quantitative/qualitative immunochemical detection methods. This antibody may be used as a coating antibody in EIA procedures.

Presentation

100 µg (MON 5073-1) purified lyophilized anti-mIL-6. Membrane filtered (0.22 µm). Also available in vials of 500 µg (MON 5073-5).

Literature

- Hirano T., Int. J. Cell Cloning, 9, 166, 1991.
- Van Snick J., Annu. Rev. Immunol., 8, 253, 1990.
- Heinrich P.C., Castell J.V., Andus T., Biochem. J., 265, 621, 1990.
- Fletcher Starnes Jr. H., et al., J. Immunol., 145, 4185, 1990.
- Takatsuki F., et al., J. Immunol. 141, 3072, 1988.
- McKenzie D., J. Immunol., 141, 2907, 1988.
- Hooghe-Peters E., et al., Path. Res. Pract., 187, 622, 1991.

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