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10-3524: Monoclonal Antibody to Mouse IL-6 (Clone: MP5-20F3)(Discontinued)

Clonality :	Monoclonal
Clone Name :	MP5-20F3
Application :	Functional Assay,IP
Reactivity :	Mouse
Gene :	Il6
Gene ID :	16193
Uniprot ID :	P08505
Alternative Name :	B-cell hybridoma growth factor, Interleukin HP-1
Isotype :	Rat IgG1

Description

The antibody neutralizes mouse interleukin 6 (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 TNFalpha nor does it bind to either human or rat IL-6. The antibody inhibits IL-6 induced proliferation of the B9 assay. 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.

Product Info

Amount :	20F3)(Discontinued) / 500 µg
Content :	1 ml (100 Î¼g/ml) 0.2 Î¼m filtered antibody solution in PBS containing 0.1% bovine serum albumin.
Storage condition :	Product should be stored at 4 °C. Under recommended storage conditions, product is stable for one year.

Application Note

The antibody can be used for in vitro and in vivo inhibition of activity of IL-6. Furthermore the antibody is useful for immunochemical investigations of mouse IL-6 in structural studies and for quantitative/qualitative immunochemical detection methods. This antibody may be used as a coating antibody in immuno assay procedures.

For Research Use Only. Not for use in diagnostic/therapeutics procedures.