

IL6

Rat Anti-Mouse IL-6 Clone MP5-32C11 mAb

Catalog No.	MON5017	Quantity:	100 µg
Alternate Names:	HGF; HSF; BSF2; IL-6; IFNB2; IL6, interleukin-6, CDF, BSF-2, IFN-beta-2, interferon beta-2, interleukin BSF-2, hybridoma growth factor, CTL differentiation factor, B cell stimulatory factor-2, B-cell stimulatory factor 2, B-cell differentiation factor		
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 TNF-alpha nor does it block human or rat IL-6 in proliferation assays using the KD83 cell line. MP5-32C11 inhibits mouse IL-6-induced proliferation of the NFS60 myelomonocytic cell line and KD83 plasmacytoma. 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 hematopoiesis. IL-6 plays a critical role in Bcell 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.		
Gene ID:	16193		
Host:	Rat		
Isotype:	IgG2a		
Clone:	MP5-32C11		
Formulation:	Lyophilized product in PBS, containing 100 µg. Reconstitute the vial by injection of 0.5 ml sterile distilled or de-ionized water (Caution: vial is under vacuum).		
Applications:	The antibody can be used for immunochemical investigations of mouse IL-6 in structural studies and for quantitative/qualitative immunochemical detection methods. The antibody neutralizes the biological activity of mouse IL-6. Furthermore the antibody is useful for Western blot and as tracer antibody use in immunoassay procedures.		
Application Notes:	For Western blotting dilutions to be used depend on detection system applied. It is recommended that users test the reagent and determine their own optimal dilutions. The typical starting working dilution is 1:10. For neutralization of biological activity dilutions have to be made according to the amount of IL-6 to be inactivated.		
Storage & Stability:	Lyophilized product should be stored at 4°C. Store stock solution in aliquots at -20°C. Repeated freeze and thaw cycles will cause loss of activity. Under recommended storage conditions, product is stable for one year.		



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