

## Product datasheet for **SM1695A**

### IL6 Rat Monoclonal Antibody [Clone ID: MP5-32C11]

#### Product data:

Product Type:	Primary Antibodies
Clone Name:	MP5-32C11
Applications:	ELISA, FN, IP, WB
Recommended Dilution:	Functional assays. Immunoassays. Immunoprecipitation. Western blot: The typical starting working dilution is 1:10. 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 immuno assay procedures.
Reactivity:	Mouse
Host:	Rat
Isotype:	IgG2a
Clonality:	Monoclonal
Specificity:	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.
Formulation:	PBS State: Azide Free State: Lyophilized Ig fraction
Reconstitution Method:	Reconstitute the vial by injection of 0.5 ml sterile distilled or de-ionised water (Caution: vial is under vacuum).
Purification:	Protein G
Conjugation:	Unconjugated
Storage:	Prior to reconstitution store at 2-8°C. Following reconstitution store (in aliquots) at -20°C. Avoid repeated freezing and thawing.


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<b>Stability:</b>	Shelf life: one year from despatch.
<b>Gene Name:</b>	interleukin 6
<b>Database Link:</b>	<a href="#">Entrez Gene 16193 Mouse P08505</a>
<b>Background:</b>	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.
<b>Synonyms:</b>	IL-6, Interferon beta-2, IFNB2, B-cell stimulatory factor 2, BSF-2, CDF