

Product datasheet MON5017

MONOSAN[®]

Rat anti-Mouse Interleukin 6, clone MP5-32C11 (Monoclonal)

Clone no. MP5-32C11

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Product name	Rat anti-Mouse Interleukin 6, clone MP5-32C11 (Monoclonal)
Host	Rat
Applications	FUNC, ELISA, IP. WB
Species reactivity	mouse
Conjugate	-
Immunogen	Unknown or proprietary to MONOSAN and/or its suppliers
Isotype	IgG2a
Clonality	Monoclonal
Clone number	MP5-32C11
Size	1 ml
Concentration	100 ug/ml
Format	-
Storage buffer	PBS with 0.1% BSA and 0.02% sodium azide
Storage until expiry date	2-8°C

FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES

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Additional info

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 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 haematopoiesis. 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 antibodyproducing hybridomas.

References

1. Takatsuki et al. J Immunol 1988;141:3072
2. McKenzie et al. J Immunol 1988;141:2907
3. van Snick et al. Annu Rev Immunol 1990;8:253
4. Heinrich et al. Biochem J 1990;265:621
5. Starnes et al. J Immunol 1990;145:4185

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