

Product Data Sheet

Purified anti-mouse IL-6

Catalog # / Size: 504604 / 500 µg
Clone: MP5-32C11
Isotype: Rat IgG2a, κ
Immunogen: COS-7-expressed, recombinant mouse IL-6
Reactivity: Mouse
Preparation: The antibody was purified by affinity chromatography.
Formulation: Phosphate-buffered solution, pH 7.2, containing 0.09% sodium azide.
Concentration: 0.5 mg/ml
Storage: The antibody solution should be stored undiluted at 4°C.

Applications:

Applications: ELISA Detection, ELISPOT Detection

Recommended Usage: Each lot of this antibody is quality control tested by ELISA assay. For use as an ELISA detection antibody, a concentration range of 0.5-2 µg/ml is recommended. To obtain a linear standard curve, serial dilutions of mouse IL-6 recombinant protein ranging from 1000 to 8 pg/ml are recommended for each ELISA plate. For use as an ELISPOT detection antibody, a concentration range of 1-4 µg/ml is recommended. It is recommended that the reagent be titrated for optimal performance for each application.

Application Notes:

ELISA Detection^{1-4,8} or ELISPOT Detection^{5,6}: The biotinylated MP5-32C11 antibody is useful as a detection antibody for a sandwich ELISA or ELISPOT assay, when used in conjunction with the purified MP5-20F3 antibody (Cat. No. 504502/504506) as capture antibody and recombinant mouse IL-6 (Cat. No. 563401) as the standard.
Additional reported applications (for the relevant formats) include: Western blotting, In Vivo Capture⁷.
Note: For testing mouse IL-6 in serum, plasma or supernatant, BioLegend's ELISA Max™ Sets (Cat. No. 431301 to 431306) are specially developed and recommended.

Application References:

1. Abrams J, *et al.* 1992. *Immunol. Rev.* 127:5.
2. Sander B, *et al.* 1993. *J. Immunol. Meth.* 166:201.
3. Starnes H, *et al.* 1990. *J. Immunol.* 145:4185.
4. Abrams J. 1995. *Curr. Prot. Immunol.* John Wiley and Sons, New York. Unit 6.20.
5. Fujihashi K, *et al.* 1991. *J. Immunol. Meth.* 160:181.
6. Mo X, *et al.* 1995. *J. Virol.* 69:1288.
7. Finkelman F, *et al.* 2003. *Curr. Prot. Immunol.* John Wiley & Sons, New York. Unit 6.28.
8. O'Connell PJ, *et al.* 2006. *Blood* 107:1010.

Description: IL-6 is a potent lymphoid cell growth factor that stimulates the growth and survivability of certain B cells and T cells. IL-6 plays a role in host defense, acute phase reactions, immune responses, and hematopoiesis. IL-6 is expressed by T cells, B cells, monocytes, fibroblasts, hepatocytes, endothelial cells and keratinocytes. The MP5-32C11 antibody reacts with mouse interleukin-6 (IL-6). The MP5-32c11 antibody can not neutralize the bioactivity of natural or recombinant IL-6.

- Antigen References:**
1. Fitzgerald K, *et al.* Eds. 2001. The Cytokine FactsBook. Academic Press, San Diego.
 2. Hirano T. 1998. *Intl. Rev. Immunol.* 16:249.
 3. Patterson P. 1992. *Curr. Opin. Neurobiol.* 2:94.
 4. Van Oers M, *et al.* 1993. *Ann. Hematology* 66:219.

Related Products:

Product	Clone	Application
Biotin anti-mouse IL-6	MP5-32C11	ELISA Detection, ELISPOT Detection
Recombinant Mouse IL-6	rm IL-6	BA, ELISA
TMB Substrate Reagent Set		ELISA
ELISA Assay Diluent (5X)		ELISA
Mouse IL-6 ELISA MAX™ Standard		ELISA
Mouse IL-6 ELISA MAX™ Deluxe		ELISA



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