



Catalog Number:	MO15071	Host:	Mouse
Product Type:	Protein A purified IgG ₁	Species Reactivity:	Human
Immunogen Sequence:	Murine hybridoma elicited from a mouse immunized with purified, <i>E. coli</i> -derived, recombinant human interleukin 4 (rhIL-4).	Format:	Ascites Liquid 1 mg/ml Solution in phosphate-buffered saline (PBS) with 5% Trehlose
Applications:	ELISA- 0.5 - 1.0 µg/mL Immunohistochemistry -25 µg/mL Western Blot-1 - 2 µg/mL		

Dilutions listed as a recommendation. Optimal dilution should be determined by investigator.

Storage: Antibody can be aliquotted and stored frozen at -20° C to -70° C in a manual defrost freezer for six months without detectable loss of activity. The antibody can be stored at 2° - 8° C for 1 month without detectable loss of activity. *Avoid repeated freeze-thaw cycles.*

Application Notes

Specificity

This antibody has been selected for its ability to neutralize the biological activity of rhIL-4 and for use in immunohistochemistry. In western blots, this antibody shows no cross-reactivity with rhIL-4.

Direct ELISA

This antibody can be used at 0.5 - 1.0 µg/mL with the appropriate secondary reagents to detect human IL-4. The detection limit for rhIL-4 is approximately 5 ng/well.

Western blot

This antibody can be used at 1 - 2 µg/mL with the appropriate secondary reagents to detect human IL-4. The detection limit for rhIL-4 is approximately 5 ng/lane and 25 ng/lane under non-reducing and reducing conditions, respectively.

Immunohistochemistry

This antibody may be used for staining of cryostat sections and cells. In human tissues, good labeling may be obtained on 10 µm thick cryostat tissue sections fixed with paraformaldehyde and using an antibody concentration of 15 µg/mL. In human cells, good labeling may be obtained on cells fixed with 1 - 2% paraformaldehyde and using an antibody concentration of 5 - 15 µg/mL. Both fluorescent and chromogenic detection systems may be used to visualize staining.

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