

# IL-4 Monoclonal Antibody (24G2)

Product Details	
Size	500 µg
Species Reactivity	Mouse
Published Species	Rat, Mouse
Host/Isotype	Rat / IgG1
Class	Monoclonal
Type	Antibody
Clone	24G2
Conjugate	Unconjugated
Immunogen	Recombinant mouse IL-4
Form	Liquid
Concentration	1.0 mg/mL
Purification	Protein A
Storage buffer	PBS
Contains	no preservative
Storage conditions	-20°C
RRID	AB_223531

Applications	Tested Dilution	Publications
Western Blot (WB)	Assay-dependent	-
Immunohistochemistry (IHC)	-	1 Publication
Immunohistochemistry (Frozen) (IHC (F))	-	1 Publication
Immunocytochemistry (ICC/IF)	-	1 Publication
Flow Cytometry (Flow)	-	4 Publications
ELISA (ELISA)	-	16 Publications
Neutralization (Neu)	-	1 Publication

## Product Specific Information

MM450D targets IL-4 in WB applications and shows reactivity with mouse samples.

The MM450D immunogen is recombinant mouse IL-4.

MM450D detects IL-4 which has a predicted molecular weight of approximately 14 kDa.

This antibody is produced by injecting Rat IgG secreting hybridoma cells into the peritoneum of mice. The resulting ascites is collected from the mice and the antibody is purified.

This product has been tested for endotoxins by limulus amoebocyte lysate (LAL) assay and contains an endotoxin concentration of less than or equal to 10 endotoxin units per milligram (EU/mg).

## 24 References

### Immunohistochemistry (1)

Journal of immunology (Baltimore, Md. : 1950)

#### Analysis of IL-2, IL-4, and IFN-gamma-producing cells in situ during immune responses to protein antigens.

"MM450D was used in immunohistochemistry to investigate the production of interleukin 2 and 4 and interferon gamma in mice immunized with protein antigens"

Authors: Bogen SA,Fogelman I,Abbas AK

**Species**  
Mouse

**Dilution**  
Not Cited

**Year**  
1993

### Immunohistochemistry (Frozen) (1)

International journal of experimental pathology

#### Perforin-expressing cytotoxic cells contribute to chronic cardiomyopathy in Trypanosoma cruzi infection.

"MM450D was used in immunohistochemistry - frozen section to assess the contribution of perforin in parasite control and chronic chagasic cardiomyopathy"

Authors: Silverio JC,de-Oliveira-Pinto LM,da Silva AA,de Oliveira GM,Lannes-Vieira J

**Species**  
Not Applicable

**Dilution**  
Not Cited

**Year**  
2010

### Immunocytochemistry (1)

Journal of immunology (Baltimore, Md. : 1950)

#### Anti-cytokine antibodies as carrier proteins. Prolongation of in vivo effects of exogenous cytokines by injection of cytokine-anti-cytokine antibody complexes.

"MM450D was used in immunocytochemistry to study the influence of anti-cytokine antibodies on the therapeutic effect of cytokine injection"

Authors: Finkelman FD,Madden KB,Morris SC,Holmes JM,Boiani N,Katona IM,Maliszewski CR

**Species**  
Rat

**Dilution**  
Not Cited

**Year**  
1993

### Flow Cytometry (4)

Parasite immunology

#### Role for CTLA-4 but not CD25+ T cells during Schistosoma mansoni infection of mice.

"MM450D was used in flow cytometry to study the regulation of CTLA-4+ and CD25+ T cells in schistosome infection"

Authors: Walsh CM,Smith P,Fallon PG

**Species**  
Not Applicable

**Dilution**  
Not Cited

**Year**  
2007

[View more Flow references on thermofisher.com](#)

### More applications with references on thermofisher.com

ELISA (16)

Neu (1)

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