

GM-CSF Monoclonal Antibody (22E9)

Product Details	
Size	500 µg
Species Reactivity	Mouse
Published Species	Mouse
Host/Isotope	Rat / IgG2a
Class	Monoclonal
Type	Antibody
Clone	22E9
Conjugate	Unconjugated
Immunogen	Recombinant mouse GM-CSF
Form	Liquid
Concentration	1.0 mg/mL
Purification	Protein A
Storage buffer	PBS
Contains	no preservative
Storage Conditions	-20°C
RRID	AB_223532

Applications	Tested	Dilution	Published
Neutralization (Neu)	-		2 Publications
Western Blot (WB)	✓	Assay Dependent	2 Publications
ELISA (ELISA)	✓	Assay Dependent	

Product Specific Information

MM500C targets Mouse GM-CSF in ELISA, and WB applications and shows reactivity with mouse samples.

The MM500C immunogen is recombinant mouse GM-CSF.

MM500C detects Mouse GM-CSF which has a predicted molecular weight of approximately 14 kDa.

The MM500C mouse GMCSF antibody (clone 22E9) has successfully been paired as the coating antibody in a sandwich ELISA with detection antibody MM500DB (biotinylated conjugate of clone 31G6) Typical dilutions for sandwich ELISA include 1 µg/mL for coating and 0.125 - 0.25 µg/mL for detection.

Antibody MM500C (clone 22E9) and biotinylated antibody MM500DB (clone 31G6) have successfully been used in combination with recombinant mouse GMCSF protein SMGMCSF in ELISA applications.

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).

4 References

Neutralization (2)

Scandinavian journal of immunology

The water-soluble extract from cultured medium of *Ganoderma lucidum* (Reishi) mycelia (Designated as MAK) ameliorates murine colitis induced by trinitrobenzene sulphonic acid.

"MM500C was used in blocking or activating experiment to study the beneficial effect of a water-soluble, polysaccharide components of Reishi in a mouse model of colitis and the potential mechanism"

Authors: Hanaoka R,Ueno Y,Tanaka S,Nagai K,Onitake T,Yoshioka K,Chayama K

Species
Mouse

Dilution
Not Cited

Year
2011

Infection and immunity

Humoral and cellular immunity in secondary infection due to murine *Chlamydia trachomatis*.

"MM500C was used in blocking/activating experiment to study the role of murine *Chlamydia trachomatis* in secondary infection"

Authors: Williams DM,Grubbs BG,Pack E,Kelly K,Rank RG

Species
Mouse

Dilution
250 ug/dose

Year
1997

Western Blot (2)

International journal of cancer

Combination of FasL and GM-CSF confers synergistic antitumor immunity in an in vivo model of the murine Lewis lung carcinoma.

"MM500C was used in western blot to study whether combined FasL and GM-CSF treatment can efficiently suppress tumor growth in Lewis lung carcinoma"

Authors: Ho MY,Sun GH,Leu SJ,Ka SM,Tang SJ,Sun KH

Species
Mouse

Dilution
Not Cited

Year
2008

The Journal of clinical investigation

Potiation by granulocyte macrophage colony-stimulating factor of lipopolysaccharide toxicity in mice.

"MM500C was used in western blot to study the LPS toxicity potentiation by GM-CSF in mice"

Authors: Tiegs G,Barsig J,Matiba B,Uhlig S,Wendel A

Species
Mouse

Dilution
Not Cited

Year
1994

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