



Rat Anti-Mouse GM-CSF Monoclonal antibody, clone MP1-22E9 (CABT-L4503)

This product is for research use only and is not intended for diagnostic use.

PRODUCT INFORMATION

Product Overview	The MP1-22E9 monoclonal antibody reacts with mouse granulocyte-macrophage colony-stimulating factor (GM-CSF), also known as colony stimulating factor 2 (CSF2).
Target	Mouse GM-CSF
Immunogen	Recombinant mouse GM-CSF
Isotype	IgG2a, κ
Source/Host	Rat
Species Reactivity	Mouse
Clone	MP1-22E9
Purification	Protein G purified. Purity>95%. Determined by SDS-PAGE
Conjugate	Functional Grade
Applications	in vivo GM-CSF neutralization, in vitro GM-CSF neutralization, FC
Molecular Weight	150 kDa
Format	0.2 μM filtered liquid. Purified from tissue culture supernatant in an animal free facility
Concentration	Lot specific
Size	5 mg
Buffer	PBS, pH 7.0. Contains no stabilizers or preservatives. [low endotoxin azide-free]

Endotoxin level: <2EU/mg (<0.002EU/μg). Determined by LAL gel clotting assay
Related dilution buffer: CABT-LB04

Preservative	None
Storage	The antibody solution should be stored undiluted at 4°C, and protected from prolonged exposure to light. Do not freeze.
Ship	Wet ice

BACKGROUND

Introduction The MP1-22E9 monoclonal antibody reacts with mouse granulocyte-macrophage colony-stimulating factor (GM-CSF), also known as colony stimulating factor 2 (CSF2). GM-CSF is a 14 kDa monomeric hematopoietic factor secreted by macrophages, T cells, mast cells, NK cells, endothelial cells and fibroblasts. GM-CSF stimulates stem cells to differentiate into granulocytes (neutrophils, eosinophils, and basophils) and monocytes. The MP1-22E9 antibody is a GM-CSF neutralizing antibody.

Keywords granulocyte-macrophage colony-stimulating factor;GM-CSF;colony stimulating factor 2;CSF2

GENE INFORMATION

References Kulcsar, K. A., et al. (2014). "Interleukin 10 modulation of pathogenic Th17 cells during fatal alphavirus encephalomyelitis." Proc Natl Acad Sci U S A 111(45): 16053-16058. PubMed;