

Rat Anti-CSF2RA Monoclonal Antibody

Cat. No. DMABT-H18979 **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Rat Anti-CSF2RA Monoclonal Antibody
Species	Mouse
Source	Rat
Antigen Description	GM-CSF is a hematopoietic factor that is produced by T cells, macrophages, fibroblasts and endothelial cells. This multifunctional cytokine stimulates progenitor cells of neutrophils, eosinophils and macrophages. GM-CSF is also a differentiation and activating factor for granulocytic and monocytic cells. TheNQ2-42H7antibody reacts with mouse granulocyte/macrophage-colony stimulating factor (GM-CSF). TheNQ2-42H7antibody can neutralize the bioactivity of natural or recombinant GM-CSF.
Target	CSF2RA
Immunogen	Yeast-expressed, recombinant mouse GM-CSF.
Isotype	IgG1, kappa
species	Mouse
Clone	NQ2-42H7
Conjugation	Biotin

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Applications	ELISA,ELISPOT
Preparation	The antibody was purified by affinity chromatography, and conjugated with biotin under optimal conditions. The solution is free of unconjugated biotin.
Usage recommendation	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 GM-CSF recombinant protein ranging from 3000 to 15 pg/ml are recommended for each ELISA plate. It is recommended that the reagent be titrated for optimal performance for each application.
Concentration	0.5 mg/ml
Storage	The antibody solution should be stored undiluted at 4 °C. Do not freeze.
Size	50 µg; 500 µg

GENE INFORMATION

Gene Name	Csf2ra colony stimulating factor 2 receptor, alpha, low-affinity (granulocyte-macrophage) [<i>Mus musculus</i>]
Official Symbol	CSF2RA
Synonyms	CSF2RA; colony stimulating factor 2 receptor, alpha, low-affinity (granulocyte-macrophage); granulocyte-macrophage colony-stimulating factor receptor subunit alpha; GMR-alpha; GM-CSFRalpha; GMCSFR-alpha; GM-CSF-R-alpha; colony stimulating factor 2 receptor alpha chain; CD116; Csfgmra; GM-CSFR; GM-CSF-Ra;
Gene ID	12982

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mRNA Refseq	NM_009970
Protein Refseq	NP_034100
Pathway	Cytokine Signaling in Immune system, organism-specific biosystem; Cytokine-cytokine receptor interaction, organism-specific biosystem; Cytokine-cytokine receptor interaction, conserved biosystem; Hematopoietic cell lineage, organism-specific biosystem; Hematopoietic cell lineage, conserved biosystem; Immune System, organism-specific biosystem; Interleukin receptor SHC signaling, organism-specific biosystem;
Function	cytokine receptor activity; receptor activity;

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