



Human Anti-Human GM-CSF Monoclonal Antibody, clone GCA21 [Functional Grade] (CABT-Z499M)

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

PRODUCT INFORMATION

Product Overview	This antibody binds to human GM-CSF at a site distinct to clone GCA43 (CABT-Z496M).
Immunogen	Antibody generated by sequencing of memory B-cells obtained from human patients suffering from chronic autoimmune pulmonary alveolar proteinosis.
Isotype	IgG1, κ
Source/Host	Human
Species Reactivity	Human
Clone	GCA21
Purification	Protein A purified
Conjugate	Functional Grade
Applications	Neut, ELISA
Format	Liquid
Concentration	Lot specific
Size	500 μ g
Buffer	PBS only. Endotoxin Level<0.5 EU/mg by the LAL method.
Preservative	None

Storage	Store at -20°C long term. Avoid freeze / thaw cycle. To ensure optimal storage and prevent microbial contamination, only open and dispense under sterile conditions.
Ship	Wet ice

BACKGROUND

Introduction	GM-CSF is a cytokine that controls the production, differentiation, and function of granulocytes and macrophages. GM-CSF is secreted by fibroblasts, macrophages, endothelial cells, T cells and mast cells. Recent evidence shows that GM-CSF plays a key role in inflammatory and autoimmune diseases. In humans, the gene is located on the q arm of chromosome 5.
Keywords	CSF2;colony stimulating factor 2 (granulocyte-macrophage);Csfgm;GMCSF;Gm-CSF;MGI-IGM

GENE INFORMATION

Gene Name	CSF2
Entrez Gene ID	1437
UniProt ID	P04141