ARG42281
anti-Lysozyme antibody [LZ598-10G9] (FITC)

Package: 50 µg
Store at: 4°C

Summary

Product Description	FITC-conjugated Mouse Monoclonal antibody [LZ598-10G9] recognizes Lysozyme
Tested Reactivity	Hu
Tested Application	FACS
Specificity	The mouse monoclonal antibody LZ598-10G9 recognizes lysozyme, an approximately 17 kDa antibacterial enzyme, which is being used as a marker for the lineage diagnosis of acute leukemias (intracellular antigen).
Host	Mouse
Clonality	Monoclonal
Clone	LZ598-10G9
Isotype	IgG1
Target Name	Lysozyme
Species	Human
Immunogen	Human lysozyme.
Conjugation	FITC
Alternate Names	EC 3.2.1.17; Lysozyme C; LZM; 1,4-beta-N-acetylmuramidase C

Application Instructions

Application table

Application	Dilution
FACS	1 - 3 µg/ml

Application Note: * The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist.

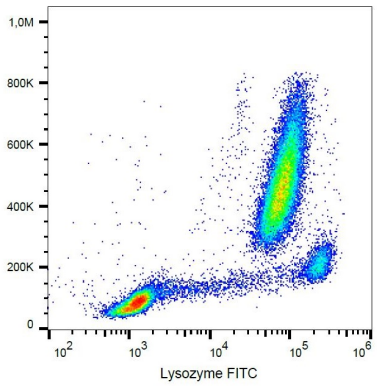
Properties

Form	Liquid
Purification	Purified
Buffer	PBS and 15 mM Sodium azide.
Preservative	15 mM Sodium azide
Concentration	1 mg/ml
Storage instruction	Aliquot and store in the dark at 2-8°C. Keep protected from prolonged exposure to light. Avoid repeated freeze/thaw cycles. Suggest spin the vial prior to opening. The antibody solution should be gently mixed before use.
Note	For laboratory research only, not for drug, diagnostic or other use.

Bioinformation

Gene Symbol	LYZ
Gene Full Name	lysozyme
Background	This gene encodes human lysozyme, whose natural substrate is the bacterial cell wall peptidoglycan (cleaving the beta[1-4]glycosidic linkages between N-acetylmuramic acid and N-acetylglucosamine). Lysozyme is one of the antimicrobial agents found in human milk, and is also present in spleen, lung, kidney, white blood cells, plasma, saliva, and tears. The protein has antibacterial activity against a number of bacterial species. Missense mutations in this gene have been identified in heritable renal amyloidosis. [provided by RefSeq, Oct 2014]
Function	Lysozymes have primarily a bacteriolytic function; those in tissues and body fluids are associated with the monocyte-macrophage system and enhance the activity of immunoagents. [UniProt]
Calculated Mw	17 kDa
Cellular Localization	Secreted. [UniProt]

Images



ARG42281 anti-Lysozyme antibody [LZ598-10G9] (FITC) FACS image

Flow Cytometry: Human peripheral blood stained with ARG42281 anti-Lysozyme antibody [LZ598-10G9] (FITC).