Datasheet for ABIN5711923

anti-LYZ antibody (PE)

2 Images

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Overview

Quantity:	0.1 mg
Target:	LYZ
Reactivity:	Human
Host:	Mouse
Clonality:	Monoclonal
Conjugate:	This LYZ antibody is conjugated to PE
Application:	Flow Cytometry (FACS)

Product Details

Immunogen:	human lysozyme
Clone:	LZ598-10G9
Isotype:	IgG1
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).
Cross-Reactivity (Details):	Human
Purification:	Purified antibody is conjugated with R-phycoerythrin (PE) under optimum conditions. Unconjugated antibody and free fluorochrome are removed by size-exclusion chromatography.

Target Details

Target:	LYZ

Target Details

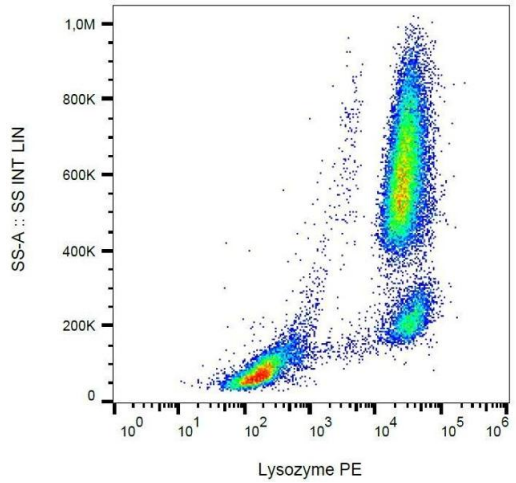
Alternative Name:	Lysozyme (LYZ Products)
Background:	Lysozyme,Lysozyme is anti-bacterial enzyme found mainly in milk, saliva, tears, plasma, spleen, mucus, and leukocytes (e.g. in cytoplasmic granules of neutrophils). It damages bacterial cell walls by hydrolysis of 1,4-beta-linkages between N-acetylmuramic acid and N-acetyl-D-glucosamine residues in a peptidoglycan and between N-acetyl-D-glucosamine residues in chitodextrins. Lysozyme is part of the innate immune system. It protects wet body surfaces, such as conjunctiva. Reduced lysozyme levels have been associated with bronchopulmonary dysplasia in newborns. On the other hand high lysozyme blood levels produced for example by myelomonocytic leukemia cells can lead to kidney failure and low blood potassium.,LZM, LYZF1
Gene ID:	4069
UniProt:	P61626

Application Details

Application Notes:	Flow cytometry: Recommended dilution: 1-5 µg/mL. Intracellular staining.
Comment:	The purified antibody is conjugated with R-Phycoerythrin (PE) under optimum conditions. The conjugate is purified by size-exclusion chromatography.
Restrictions:	For Research Use only

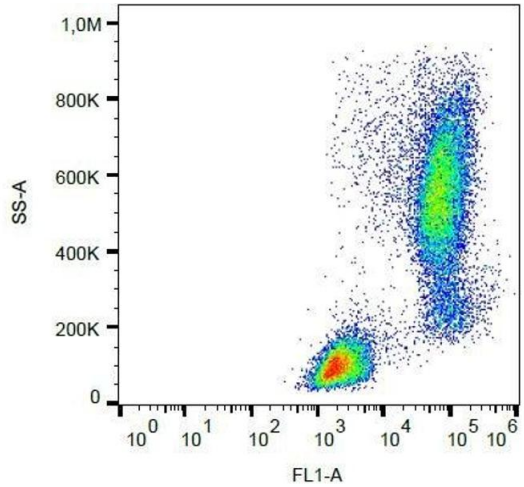
Handling

Concentration:	0.1 mg/mL
Buffer:	Stabilizing phosphate buffered saline (PBS), pH 7.4, 15 mM sodium azide
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Handling Advice:	The purified antibody is conjugated with R-Phycoerythrin (PE) under optimum conditions. The conjugate is purified by size-exclusion chromatography.
Storage:	4 °C
Storage Comment:	Store at 2-8°C. Protect from prolonged exposure to light. Do not freeze.



Flow Cytometry

Image 1. Intracellular staining of lysozyme in human peripheral blood with anti-lysozyme (LZ598-10G9) PE.



Flow Cytometry

Image 2. Intracellular staining of lysozyme in human peripheral blood with anti-lysozyme (LZ598-10G9) FITC.