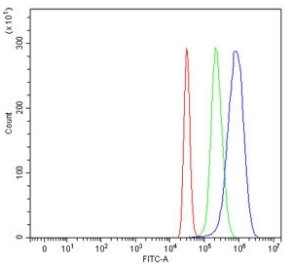
Lysozyme C Antibody / LYZ (RQ8525)

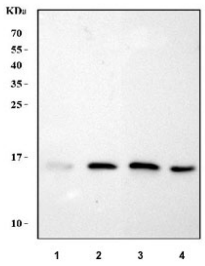
Catalog No.	Formulation	Size
RQ8525	0.5mg/ml if reconstituted with 0.2ml sterile DI water	100 ug

Bulk quote request

Availability	1-3 days
Species Reactivity	Human, Mouse, Rat
Format	Antigen affinity purified
Host	Rabbit
Clonality	Polyclonal (rabbit origin)
Isotype	Rabbit IgG
Purity	Antigen affinity purified
Buffer	Lyophilized from 1X PBS with 2% Trehalose
UniProt	P61626
Applications	Western blot: 0.5-1ug/ml Flow cytometry: 1-3ug/million cells ELISA: 0.1-0.5ug/ml
Limitations	This Lysozyme C antibody is available for research use only.



Flow cytometry testing of fixed and permeabilized human HepG2 cells with Lysozyme C antibody at 1ug/million cells (blocked with goat sera); Red=cells alone, Green=isotype control, Blue= Lysozyme C antibody.



Western blot testing of 1) human U937, 2) rat lung, 3) mouse lung and 4) mouse spleen tissue lysate with Lysozyme C antibody. Expected molecular weight ~17 kDa.

Description

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.

Application Notes

Optimal dilution of the Lysozyme C antibody should be determined by the researcher.

Immunogen

An E.coli-derived human recombinant protein (amino acids K19-A126) was used as the immunogen for the Lysozyme C antibody.

Storage

After reconstitution, the Lysozyme C antibody can be stored for up to one month at 4oC. For long-term, aliquot and store at -20oC. Avoid repeated freezing and thawing.

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