

CHI3L1 Antibody PE Conjugated

Catalog No: #C00652P

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Description

Product Name	CHI3L1 Antibody PE Conjugated
Host Species	Rabbit
Clonality	Polyclonal
Isotype	IgG
Purification	Purified by Protein A.
Applications	Flow-Cyt ICC IF
Species Reactivity	Hu Ms Rt
Immunogen Description	KLH conjugated synthetic peptide aa 370-381 383 derived from Human CHI3L1
Conjugates	PE
Target Name	CHI3L1
Other Names	GP39; ASRT7; GP-39; YKL4; CGP-39; YKL-4; YYL-4; HC-gp39; HCGP-3P; hCGP-39; Chitinase-3-like protein 1; 39 kDa synovial protein; Cartilage glycoprotein 39; CHI3L1
Accession No.	Swiss-Prot#P36222NCBI Gene ID1116
Uniprot	P36222
GeneID	1116;
Excitation Emission	480,565nm 578nm
Cell Localization	Cytoplasm, Secreted
Concentration	1mg ml
Formulation	0.01M TBS(pH7.4) with 1% BSA, 0.03% Proclin300 and 50% Glycerol.
Storage	Shipped at 4°C. Store at -20°C for one year. Avoid repeated freeze/thaw cycles.

Application Details

Flow-Cyt=1:50-200 ICC=1:50-200 IF=1:50-200

Background

Carbohydrate-binding lectin with a preference for chitin. Has no chitinase activity. May play a role in tissue remodeling and in the capacity of cells to respond to and cope with changes in their environment. Plays a role in T-helper cell type 2 (Th2) inflammatory response and IL-13-induced inflammation, regulating allergen sensitization, inflammatory cell apoptosis, dendritic cell accumulation and M2 macrophage differentiation. Facilitates invasion of pathogenic enteric bacteria into colonic mucosa and lymphoid organs. Mediates activation of AKT1 signaling pathway and subsequent IL8 production in colonic epithelial cells. Regulates antibacterial responses in lung by contributing to macrophage bacterial killing, controlling bacterial dissemination and augmenting host tolerance. Also regulates hyperoxia-induced injury, inflammation and epithelial apoptosis in lung.

Note: This product is for in vitro research use only