

32-5953: Mouse Anti Human Chitinase-3-like protein 1(Clone: PAT4A3AT.)

Clonality : Monoclonal

Clone Name : PAT4A3AT.

Application : ELISA, WB

Gene : CHI3L1

Gene ID : 1116

Uniprot ID : P36222

Format : Purified

Alternative Name : Chitinase-3-like protein 1, Cartilage glycoprotein 39, 39 kDa synovial protein, YKL-40, CGP-39, GP-39, hCGP-39, CHI3L1, GP39, ASRT7, YKL40, YYL-40, HC-gp39, HCGP-3P, FLJ38139, DKFZp686N19119.

Isotype : Mouse IgG2b heavy chain and ? light chain.

Immunogen Information : Anti-human CHI3L1 mAb, is derived from hybridization of mouse F0 myeloma cells with spleen cells from BALB/c mice immunized with recombinant human CHI3L1 amino acids 22-383 purified from E. coli.

Description

Chitinases catalyze the hydrolysis of chitin, which is an abundant glycopolymer found in insect exoskeletons and fungal cell walls. The glycoside hydrolase 18 family of chitinases includes 8 human family members. CHI3L1 is a glycoprotein member of the glycosyl hydrolase 18 family. CHI3L1 lacks chitinase activity and is secreted by activated macrophages, chondrocytes, neutrophils and synovial cells. CHI3L1 is thought to play a role in the process of inflammation and tissue remodeling.

Product Info

Amount : 20 µg

Purification : CHI3L1 antibody was purified from mouse ascitic fluids by protein-G affinity chromatography.

Content : 1mg/ml containing PBS, pH-7.4, & 0.1% Sodium Azide.

Storage condition : For periods up to 1 month store at 4°C, for longer periods of time, store at -20°C. Prevent freeze thaw cycles.

Application Note

CHI3L1 antibody has been tested by ELISA and Western blot analysis to assure specificity and reactivity. Since application varies, however, each investigation should be titrated by the reagent to obtain optimal results. Recommended dilution range for Western blot analysis is 1:250 ~ 1500. Recommended starting dilution is 1:250.