

YKL-39 / Chitinase 3 Like 2 (CHI3L2) Antibody

Mouse Monoclonal Antibody [Clone 1B2.G4]

Catalog No	Format	Size
1117-MSM2-P0	Purified Ab with BSA and Azide at 200ug/ml	20 ug
1117-MSM2-P1	Purified Ab with BSA and Azide at 200ug/ml	100 ug
1117-MSM2-P1ABX	Purified Ab WITHOUT BSA and Azide at 1.0mg/ml	100 ug

Applications	Tested Dillution	Note
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Product Details

Clone	1B2.G4
Gene Name	CHI3L2
Immunogen	Recombinant human fragment corresponding to YKL-39 protein
Host	Mouse
Clonality	Monoclonal
Isotype / Light Chain	IgG2 / Kappa
Mol. Weight of Antigen	12kDa
Cellular Localization	Secreted
Species Reactivity	Human
Positive Control	Highest expression in chondrocytes, followed by synoviocytes, lung and heart. Not detected in spleen, pancreas, and liver. May also be expressed in developing brain and placenta.

*Optimal dilution for a specific application should be determined.

Product Images for YKL-39 / Chitinase 3 Like 2 (CHI3L2) Antibody

Specificity & Comments

The CHI3L2 protein, also known as chitinase-3-like protein 2, is a glycoprotein that belongs to the chitinase protein family. It is primarily associated with various biological processes, including inflammation, tissue remodeling, and immune responses. CHI3L2 is expressed in various tissues, such as the lungs, liver, and immune cells, suggesting its involvement in diverse physiological functions. CHI3L2 has been implicated in modulating immune responses and inflammatory processes. It is often associated with conditions characterized by inflammation, such as autoimmune diseases and certain cancers. The protein's precise mechanism of action is still under investigation, but it is believed to play a role in cell signaling and the regulation of cellular interactions within the immune system. HI3L2/YKL-39 has been explored as a biomarker in cancer diagnosis: Elevated levels of CHI3L2 in the serum or tissues have been investigated as potential biomarkers for cancer detection and prognosis. Monitoring CHI3L2 levels may aid in cancer diagnosis and assessment of disease progression. Inflammatory joint diseases, such as rheumatoid arthritis, have shown increased CHI3L2 expression. Detection of CHI3L2 levels in synovial fluid or blood may have diagnostic value in rheumatoid arthritis. CHI3L2/YKL-39 has also been explored as a biomarker for cardiovascular diseases. Elevated levels in the blood may indicate vascular inflammation and provide insights into cardiovascular risk.

Limitations and Warranty

This antibody is available for research use only and is not approved for use in diagnosis. There are no warranties, expressed or implied, which extend beyond this description. Company is not liable for any personal injury or economic loss resulting from this product.

Supplied As

200ug/ml of Ab purified from Bioreactor Concentrate by Protein A/G. Prepared in 10mM PBS with 0.05% BSA & 0.05% azide. Also available WITHOUT BSA & azide at 1.0mg/ml.

Storage and Stability

Antibody with azide - store at 2 to 8°C. Antibody without azide - store at -20 to -80°C. Antibody is stable for 24 months. Non-hazardous. No MSDS required.

Research Areas

Cardiovascular, Mesenchymal Stem Cell Differentiation, Stem Cell