CHI3L2 Antibody / Chitinase 3 like 2 / YKL-39 [clone 1B2.G4] (V5659)

Catalog No.	Formulation	Size
V5659-100UG	0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced), 0.05% sodium azide	100 ug
V5659-20UG	0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced), 0.05% sodium azide	20 ug
V5659SAF-100UG	1 mg/ml in 1X PBS; BSA free, sodium azide free	100 ug

Bulk quote request

Availability	1-3 business days
Species Reactivity	Human
Format	Purified
Host	Mouse
Clonality	Monoclonal (mouse origin)
Isotype	Mouse IgG2, kappa
Clone Name	1B2.G4
Purity	Protein G affinity
UniProt	Q15782
Localization	Secreted
Applications	ELISA
Limitations	This CHI3L2 antibody is available for research use only.



Description

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.

Application Notes

Optimal dilution of the CHI3L2 antibody should be determined by the researcher.

Immunogen

A recombinant YKL-39 partial protein was used as the immunogen for the CHI3L2 antibody.

Storage

Aliquot the CHI3L2 antibody and store frozen at -20oC or colder. Avoid repeated freeze-thaw cycles.

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