



Anti-CHI3L1 monoclonal antibody, clone 495438 (DCABY-4022)

This product is for research use only and is not intended for diagnostic use.

PRODUCT INFORMATION

Antigen Description	CHI3L1, also known as HCgp39 (human cartilage glycoprotein 39) and YKL40, is a secreted glycoprotein belonging to the family of chitinase-like lectins. These proteins are structurally related to the glycosylhydrolase family 18, but lack enzymatic activity. CHI3L1 is expressed by chondrocytes, synovial cells, macrophages and neutrophils. It has been found to play a role in down-regulating cytokine-induced inflammatory responses.
Specificity	Detects human Chitinase 3-like 1 in direct ELISAs.
Immunogen	Mouse myeloma cell line NS0-derived recombinant human Chitinase 3-like 1. Tyr22-Thr383 Accession Number P36222
Isotype	IgG1
Source/Host	Rat
Species Reactivity	Human
Clone	495438
Purification	Protein A or G purified from hybridoma culture supernatant
Conjugate	Unconjugated
Applications	ELISA Capture (Matched Pair)
Format	Liquid
Size	500 µg
Buffer	Lyophilized from a 0.2 µm filtered solution in PBS with Trehalose.

Preservative	None
Storage	<p>Use a manual defrost freezer and avoid repeated freeze-thaw cycles.</p> <p>12 months from date of receipt, -20 to -70 °C as supplied.</p> <p>1 month, 2 to 8 °C under sterile conditions after reconstitution.</p> <p>6 months, -20 to -70 °C under sterile conditions after reconstitution.</p>

GENE INFORMATION

Gene Name	CHI3L1 chitinase 3-like 1 (cartilage glycoprotein-39) [Homo sapiens (human)]
Official Symbol	CHI3L1
Synonyms	CHI3L1; chitinase 3-like 1 (cartilage glycoprotein-39); GP39; ASRT7; GP-39; YKL40; CGP-39; YKL-40; YYL-40; HC-gp39; HCGP-3P; hCGP-39; chitinase-3-like protein 1; 39 kDa synovial protein; cartilage glycoprotein 39;
Entrez Gene ID	1116
Protein Refseq	NP_001267
UniProt ID	A0A024R969
Chromosome Location	1q32.1
Function	chitin binding; NOT chitinase activity; extracellular matrix structural constituent;