

## DESCRIPTION

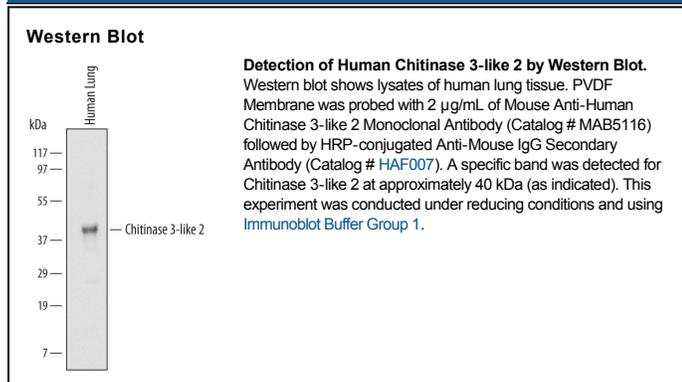
<b>Species Reactivity</b>	Human
<b>Specificity</b>	Detects human Chitinase 3-like 2 in direct ELISAs and Western blots. In direct ELISAs, no cross-reactivity with recombinant human (rh) Chitinase 3-like 1 or rhChitotriosidase is observed.
<b>Source</b>	Monoclonal Mouse IgG <sub>2B</sub> Clone # 632010
<b>Purification</b>	Protein A or G purified from hybridoma culture supernatant
<b>Immunogen</b>	Mouse myeloma cell line NS0-derived recombinant human Chitinase 3-like 2 Tyr27-Leu390 Accession # Q15782
<b>Formulation</b>	Lyophilized from a 0.2 µm filtered solution in PBS with Trehalose. See Certificate of Analysis for details. *Small pack size (-SP) is supplied as a 0.2 µm filtered solution in PBS.

## APPLICATIONS

**Please Note:** Optimal dilutions should be determined by each laboratory for each application. *General Protocols* are available in the *Technical Information* section on our website.

	Recommended Concentration	Sample
<b>Western Blot</b>	2 µg/mL	See Below

## DATA



## PREPARATION AND STORAGE

<b>Reconstitution</b>	Reconstitute at 0.5 mg/mL in sterile PBS.
<b>Shipping</b>	The product is shipped at ambient temperature. Upon receipt, store it immediately at the temperature recommended below. *Small pack size (-SP) is shipped with polar packs. Upon receipt, store it immediately at -20 to -70 °C
<b>Stability &amp; Storage</b>	<b>Use a manual defrost freezer and avoid repeated freeze-thaw cycles.</b> <ul style="list-style-type: none"> <li>● 12 months from date of receipt, -20 to -70 °C as supplied.</li> <li>● 1 month, 2 to 8 °C under sterile conditions after reconstitution.</li> <li>● 6 months, -20 to -70 °C under sterile conditions after reconstitution.</li> </ul>

## BACKGROUND

Chitinase 3-like 2 (CHI3L2; also chondrocyte protein 39 and YKL-39) is a 39 kDa glycoprotein member of the glycosyl hydrolase 18 family. It is secreted by synovial fibroblasts and chondrocytes, particularly in osteoarthritis, and may contribute to extracellular matrix stability. CHI3L2 has no chitotriosidase activity, but is likely to bind some type of glycan. The human CHI3L2 precursor is 390 amino acids (aa) in length. It contains a 26 aa signal sequence and a 364 aa mature region. There are two potential alternate start sites at Met24 and Met80; a third potential isoform shows a deletion of aa 15-24. Over aa 27-390, human CHI3L2 shares 89% aa identity with bovine CHI3L2. No rodent CHI3L2 has been reported.