

DESCRIPTION

Species Reactivity	Mouse
Specificity	Detects mouse YM1/Chitinase 3-like 3 in direct ELISAs and Western blots.
Source	Polyclonal Goat IgG
Purification	Antigen Affinity-purified
Immunogen	Mouse myeloma cell line NS0-derived recombinant mouse YM1/Chitinase 3-like 3 Tyr22-Tyr398 Accession # O35744
Formulation	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.

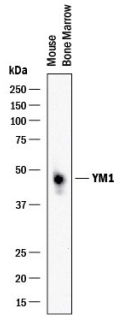
APPLICATIONS

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
Western Blot	0.2 µg/mL	See Below
Simple Western	2.5 µg/mL	See Below

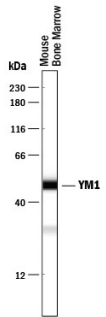
DATA

Western Blot




Detection of Mouse YM1/Chitinase 3-like 3 by Western Blot. Western blot shows lysates of mouse bone marrow. PVDF membrane was probed with 0.2 µg/mL of Goat Anti-Mouse YM1/Chitinase 3-like 3 Antigen Affinity-purified Polyclonal Antibody (Catalog # AF2446) followed by HRP-conjugated Anti-Goat IgG Secondary Antibody (Catalog # HAF017). A specific band was detected for YM1/Chitinase 3-like 3 at approximately 45 kDa (as indicated). This experiment was conducted under reducing conditions and using Immunoblot Buffer Group 1.

Simple Western



Detection of Mouse YM1/Chitinase 3-like 3 by Simple Western™. Simple Western lane view shows lysates of mouse bone marrow, loaded at 0.2 mg/mL. A specific band was detected for YM1/Chitinase 3-like 3 at approximately 49 kDa (as indicated) using 2.5 µg/mL of Goat Anti-Mouse YM1/Chitinase 3-like 3 Antigen Affinity-purified Polyclonal Antibody (Catalog # AF2446) followed by 1:50 dilution of HRP-conjugated Anti-Goat IgG Secondary Antibody (Catalog # HAF109). This experiment was conducted under reducing conditions and using the 12-230 kDa separation system.



PREPARATION AND STORAGE

Reconstitution	Reconstitute at 0.2 mg/mL in sterile PBS.
Shipping	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
Stability & Storage	Use a manual defrost freezer and avoid repeated freeze-thaw cycles. <ul style="list-style-type: none"> ● 12 months from date of receipt, -20 to -70 °C as supplied. ● 1 month, 2 to 8 °C under sterile conditions after reconstitution. ● 6 months, -20 to -70 °C under sterile conditions after reconstitution.

BACKGROUND

YM1, also known as Chitinase 3-like 3 and ECF-L, is a secreted 377 amino acid residue lectin that binds heparin and G1cN oligomers. It is produced primarily by macrophages during inflammation. YM1 shares homology with chitinase family proteins but lacks enzymatic activity.