

Mouse Progranulin/PGRN Antibody

Recombinant Monoclonal Rat lgG₁ Clone # 333708R Catalog Number: MAB2557R

DESCRIPTION

Species Reactivity	Mouse
Specificity	Detects mouse Progranulin/PGRN in direct ELISAs. In sandwich immunoassays, no cross-reactivity with recombinant human Progranulin is observed.
Source	Recombinant Monoclonal Rat IgG ₁ Clone # 333708R
Purification	Protein A or G purified from cell culture supernatant
Immunogen	Mouse myeloma cell line NS0-derived recombinant mouse Progranulin/PGRN Thr18-Leu589 Accession # P28798
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 either lyophilized or 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.
ELISA This antibody functions as an ELISA capture antibody when paired with Rat Anti-Mouse Programulin/PGRN

Monoclonal Antibody (Catalog # MAB25572).

This product is intended for assay development on various assay platforms requiring antibody pairs. We recommend the Mouse Progranulin DuoSet ELISA Kit (Catalog # DY2557) for convenient development of a sandwich ELISA.



Reconstitution	Reconstitute at 0.5 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.
	 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.

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BACKGROUND

Progranulin, also known as acrogranin, PC cell-derived growth factor (PCDGF) and epithelin/granulin precursor, is a ubiquitously expressed, 88 kDa, secreted glycoprotein (1-3). Structurally, it belongs to none of the well-established growth factor families (4). Mouse Progranulin is 589 amino acids (aa) in length and contains a 17 aa signal sequence and a 572 aa mature region that has four potential sites for N-linked glycosylation. It has a highly repetitive organization, containing seven tandem copies of a 55-57 aa consensus motif that contains 12 conserved cysteine residues: VXCX₅₋₆CCX₆CCX₆CCX₀

References:

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