

DESCRIPTION

Species Reactivity	Mouse
Specificity	Detects mouse PGCP in direct ELISAs and Western blots.
Source	Polyclonal Goat IgG
Purification	Antigen Affinity-purified
Immunogen	Mouse myeloma cell line NS0-derived recombinant mouse PGCP Lys19-Ser470 Accession # Q9WVJ3
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.

	Recommended Concentration	Sample
Western Blot	0.1 µg/mL	Recombinant Mouse PGCP
Immunoprecipitation	25 µg/mL	Conditioned cell culture medium spiked with Recombinant Mouse PGCP, see our available Western blot detection antibodies

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

PGCP (plasma glutamate carboxypeptidase) is a secreted member of the M28 family of metallopeptidases. Mouse PGCP is 470 amino acids (aa) in length. It apparently contains one annexin-like region (aa 19-68) plus a peptidase M28 catalytic domain (aa 281-443). It appears to be synthesized by the liver. Based on human, mouse PGCP will show a 97 aa substitution for the C-terminal 26 amino acids. Over aa's 19-470, mouse PGCP shares 89% and 94% aa identity with human and rat PGCP, respectively.