

DESCRIPTION

Species Reactivity	Mouse
Specificity	Detects mouse PCPE-1 in direct ELISAs and Western blots. In direct ELISAs and Western blots, approximately 35% cross-reactivity with recombinant human PCPE is observed.
Source	Polyclonal Goat IgG
Purification	Antigen Affinity-purified
Immunogen	Mouse myeloma cell line NS0-derived recombinant mouse PCPE-1 Gln25-Ala468 (predicted) Accession # Q61398
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 PCPE-1
Immunoprecipitation	25 µg/mL	Conditioned cell culture medium spiked with Recombinant Mouse PCPE-1, 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

PCPE-1 is a secreted 55 kDa enzyme adaptor that enhances the activity of the BMP-1/tolloid family of metalloproteinases (also known as procollagen C-proteinases) on fibrillar procollagens. PCPE-1 binds to the C-propeptide region and also elsewhere in the procollagen molecule to specifically stimulate BMP-1/tolloid processing of procollagen I, II, and III.