

DESCRIPTION

Species Reactivity	Human
Specificity	Detects the pro and active forms of human MMP-2 in direct ELISAs and Western blots. In Western blots, no cross-reactivity with recombinant human MMP-1, -3, -7, -8, -9, -10, -12, or -13 is observed.
Source	Monoclonal Mouse IgG _{2B} Clone # 101724
Purification	Protein A or G purified from ascites
Immunogen	Mouse myeloma cell line NS0-derived recombinant human MMP-2 Ala30-Cys660 Accession # P08253
Formulation	Lyophilized from a 0.2 µm filtered solution in PBS and NaCl 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	1 µg/mL	Recombinant Human MMP-2 Western Blot Standard (Catalog # WBC025)
Immunoprecipitation	25 µg/mL	Conditioned cell culture medium spiked with Recombinant Human MMP-2 (Catalog # 902-MP), see our available Western blot detection antibodies

PREPARATION AND STORAGE

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. <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

MMP-2, also called gelatinase A, is a matrix metalloproteinase that can degrade a broad range of substrates including type IV, V, VII and X collagens as well as elastin and fibronectin. MMP-2 is produced by neutrophils, macrophages and monocytes.