

DESCRIPTION

Species Reactivity	Human
Specificity	Detects human BMP-5 in ELISAs.
Source	Monoclonal Mouse IgG ₁ Clone # 78201
Purification	Protein A or G purified from hybridoma culture supernatant
Immunogen	Mouse myeloma cell line NS0-derived recombinant human BMP-5 Ala317-His454 (predicted) Accession # P22003
Formulation	Lyophilized from a 0.2 µm filtered solution in PBS with BSA as a carrier protein. See Certificate of Analysis for details.

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.

Human BMP-5 Sandwich Immunoassay		Reagent
ELISA Capture	2-8 µg/mL	Human BMP-5 Antibody (Catalog # MAB7153)
ELISA Detection	0.5-2.0 µg/mL	Human BMP-5 Biotinylated Antibody (Catalog # BAM7152)
Standard		Recombinant Human BMP-5 (Catalog # 615-BMC)

PREPARATION AND STORAGE

Reconstitution	Reconstitute at 0.5 mg/mL in sterile Tris-buffered saline, pH 7.3 (20 mM Trizma base, 150 mM NaCl) containing 0.1% bovine serum albumin.
Shipping	The product is shipped at ambient temperature. Upon receipt, store it immediately at the temperature recommended below.
Stability & Storage	<p>Use a manual defrost freezer and avoid repeated freeze-thaw cycles.</p> <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

BMP-5 is one of at least 20 structurally and functionally related BMPs which are members of the TGF-β superfamily. Biologically active BMP-5 is a disulfide-linked homodimer. Cellular responses to BMP-5 have been shown to be mediated by the formation of hetero-oligomeric complexes of type I and type II serine/threonine kinase receptors.