

DESCRIPTION

Species Reactivity	Human
Specificity	Detects human MIS/AMH Propeptide in direct ELISAs and Western blots. In direct ELISAs, less than 1% cross-reactivity with mature recombinant human MIS is observed.
Source	Polyclonal Goat IgG
Purification	Antigen Affinity-purified
Immunogen	Mouse myeloma cell line NS0-derived recombinant human MIS/AMH Propeptide Leu19-Gln450 Accession # P03971
Formulation	Lyophilized from a 0.2 µm filtered solution in PBS with Trehalose. 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.

	Recommended Concentration	Sample
Western Blot	0.1 µg/mL	Recombinant Human MIS/AMH (Catalog # 1737-MS)
Immunohistochemistry	5-15 µg/mL	Immersion fixed paraffin-embedded sections of human ovary subjected to Antigen Retrieval Reagent-Basic (Catalog # CTS013)

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.
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

MIS, also known as anti-Mullerian Hormone (AMH), belongs to the TGF-β superfamily. It is synthesized as a 140 kDa homodimeric glycoprotein that undergoes proteolytic cleavage into the bioactive homodimeric 26 kDa carboxy-terminus and the 110 kDa dimeric amino-terminus. After cleavage, the amino-terminal propeptide remains non-covalently associated with the bioactive carboxy-terminal active protein. The amino acid sequence of human and mouse MIS propeptides are 67% identical.