

DESCRIPTION

Species Reactivity	Human
Specificity	Detects recombinant human (rh)HAI-2 in direct ELISAs and Western blots. In these formats, does not cross-react with rhHAI-1 or rmHAI-2B.
Source	Monoclonal Mouse IgG ₁ Clone # 170018
Purification	Protein A or G purified from hybridoma culture supernatant
Immunogen	Mouse myeloma cell line NS0-derived recombinant human HAI-2 aa 28-197 Accession # O43291
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	1 µg/mL	Recombinant Human HAI-2 (Catalog # 1106-PI)
Human HAI-2 Sandwich Immunoassay		Reagent
ELISA Capture	2-8 µg/mL	Human HAI-2 Ectodomain Antibody (Catalog # MAB1106)
ELISA Detection	0.1-0.4 µg/mL	Human HAI-2 Biotinylated Antibody (Catalog # BAF1106)
Standard		Recombinant Human HAI-2A (Catalog # 1106-PI)

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

HGF Activator Inhibitor type II (HAI-2), also known as placental bikunin, is a Kunitz-type protease inhibitor. It is a type I membrane protein containing 2 Kunitz inhibitor domains in its extracellular region. In mouse, at least three isoforms of HAI-2 exist as a result of alternative splicing. Isoforms 2 and 3, also known as HAI-2B and HAI-2C, respectively, are both missing the first amino-terminal Kunitz inhibitor domain.