



Clone GMA-091

Murine Anti-Prothrombin

GMA-091 binds prothrombin, prethrombin 1, fragment 1.2, and fragment 2 by Western blot and solid-phase ELISA. Does not cross-react with thrombin or murine prothrombin in solid-phase ELISA.

Description

Species Reactivity:	Human
Source:	Murine
Hybridoma:	NS-1 x murine spleen cells (<i>Balb/c</i>)
Specificity:	
Immunogen:	Human prothrombin
Isotype:	IgG _{2a}

Application

Concentration:	Approximately 1-5 µg/ml. Researchers should titer antibody in specific assay.
ELISA:	Binds human prothrombin, prethrombin 1, fragment 1.2, and fragment 2 in solid-phase ELISA.
Immunoblotting:	Binds human prothrombin (~72kD), prethrombin 1 (~50kD), fragment 1.2 (~37kD), and fragment 2 (~13 kD) under reduced conditions.
Affinity constant (apparent K_D):	Not determined
Inhibition:	Not determined

Formulation and Storage

Purity:	>98% pure by SDS-PAGE
Product Formulation:	Lyophilized from a 1 mg/ml solution with 10 mM NaH ₂ PO ₄ , 0.15 M NaCl, 1.0% (w/v) mannitol, pH 7.4. Concentration determined by absorbance measurement at 280 nm and using an extinction coefficient of 1.4 (E _{0.1%}).
Reconstitution:	Reconstitute with deionized water. Aliquot and store at -20° C for prolonged periods. Avoid freeze-thaw cycles. Alternatively, bring to 0.01% (w/v) sodium azide and store at 4° C.
Storage:	
Country of origin:	USA
Size Options:	0.1 mg or 0.5 mg
Lot:	Varies by shipment

Antibody References