

Anti-murine Factor V

Clone GMA-753

Factor V (Mr 330,000) circulates in blood as a single chain protein. Following proteolytic activation, activated factor V (FVa), composed of a heavy chain (Mr 94,000) non-covalently associated to a light chain (Mr 74,000), is the cofactor for factor Xa in the prothrombinase complex that cleaves prothrombin to thrombin in the presence of phospholipid and Ca²⁺. GMA-753 is suitable for ELISA, Western blotting, and can be paired with GMA-754 and GMA-755.

Description

Antibody Source: rat monoclonal, IgG₁

Antigen Species Bound: mouse

Specificity: mouse FV

Immunogen: mouse FV

Formulation and Storage

Purity: Purified by protein G affinity chromatography from serum-free cell culture supernatant.

Product Formulation: Lyophilized from a ≥1 mg/ml solution in 20 mM NaH₂PO₄ 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 (ε_{0.1%}).

Reconstitution: Reconstitute with deionized water.

Storage: Store lyophilized or reconstituted and aliquoted material at -20°C for prolonged periods. Avoid freeze-thaw cycles. Alternatively, add 0.02% (w/v) sodium azide to reconstituted solution and store at 4°C.

Country of origin: USA

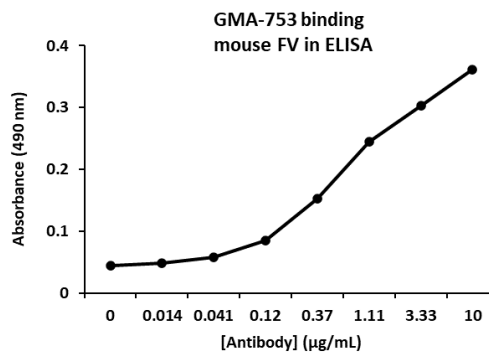
Size Options: 0.1 mg or 0.5 mg

Applications

Working Concentration: Approximately 1-5 µg/ml. Researcher should titer antibody in specific assay.

ELISA: Binds immobilized mouse FV.

Immunoblotting: Binds mouse FV under reduced conditions.



Western blot of reduced mouse FV with GMA-753

