



Rat Anti-murine Factor

Clone GMA-751

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 Ca^{2+} . GMA-751 is suitable for ELISA, and can be paired with GMA-754 and GMA-755.

Description

Antibody Source: rat monoclonal, IgG_{2a}

Antigen Species Bound: murine

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 NaH_2PO_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 ($\epsilon_{0.1\%}$).

Reconstitution: Reconstitute with deionized water.

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

Country of origin: USA

Size Options: 0.1 mg or 0.5 mg

Applications

Working Concentration: Approximately 1-5 $\mu g/ml$. Researcher should titer antibody in specific assay.

ELISA: Binds immobilized mouse FV.

Immunoblotting: Not recommended.

