



# Rat Anti-Murine Factor XIII

## Clone GMA-739

Plasma factor XIII is a tetrameric molecule composed of two A subunits (83kDa) and two B subunits (80kDa). Thrombin cleaves a peptide bond within the A chain to form activated factor XIII. Factor XIIIa is the final component of the blood clotting cascade and is responsible for cross-linking fibrin. GMA-739 binds murine Factor XIII in solid-phase ELISA and Western blot. It does not cross-react with human Factor XIII.

### Description

**Antibody Source:** rat monoclonal, IgG2<sub>a</sub>K

**Antigen Species Bound:** mouse

**Specificity:** murine Factor XIII

**Immunogen:** murine Factor XIII

### Formulation and Storage

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

**Product Formulation:** Lyophilized from a  $\geq 1$  mg/ml solution in 20 mM NaH<sub>2</sub>PO<sub>4</sub> 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 °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  $\mu$ g/ml. Researcher should titer antibody in specific assay.

**ELISA:** Binds murine Factor XIII in solid-phase ELISA.

**Immunoblotting:** Binds murine Factor XIII under reduced conditions.

