



# Murine Anti-Fibrinogen

## Clone GMA-034

Fibrinogen is a dimer of three pairs of disulfide-bonded chains:  $\alpha$ ,  $\beta$ , and  $\gamma$ . Thrombin cleavage of fibrinopeptides A and B on the  $\alpha$  and  $\beta$  chains of plasma fibrinogen converts the soluble 340 kDa protein into an interconnected network of insoluble fibrin strands. GMA-034 binds human fibrinogen in solid-phase ELISA and western blots. It does not cross-react with murine or bovine fibrinogen.

### Description

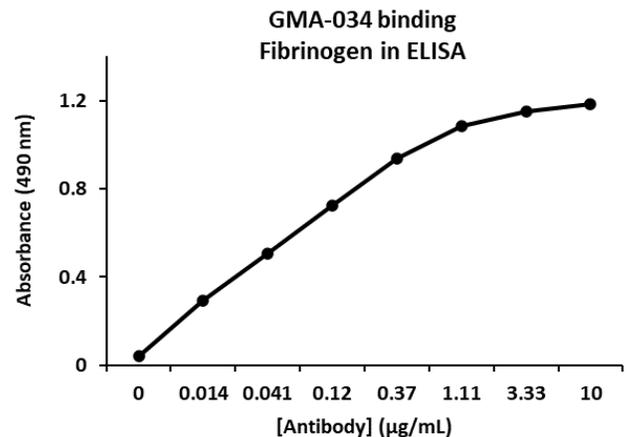
<b>Antibody Source:</b>	mouse monoclonal, IgG <sub>1</sub>
<b>Antigen Species Bound:</b>	human
<b>Specificity:</b>	fibrinogen
<b>Immunogen:</b>	human fibrinogen

### Formulation and Storage

<b>Purity:</b>	Purified by protein G affinity chromatography from serum-free cell culture supernatant.
<b>Product Formulation:</b>	Lyophilized from a $\geq 1$ mg/ml solution in 20 mM $\text{NaH}_2\text{PO}_4$ 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 ( $\epsilon_{0.1\%}$ ).
<b>Reconstitution:</b>	Reconstitute with deionized water.
<b>Storage:</b>	Store lyophilized or reconstituted and aliquoted material at $-20^\circ\text{C}$ for prolonged periods. Avoid freeze-thaw cycles. Alternatively, add 0.02% (w/v) sodium azide to reconstituted solution and store at $4^\circ\text{C}$ .
<b>Country of Origin:</b>	USA
<b>Size Options:</b>	0.1 mg or 0.5 mg

### Applications

<b>Working Concentration:</b>	Approximately 1-5 $\mu\text{g/ml}$ . Researcher should titer antibody in specific assay.
<b>ELISA:</b>	Binds immobilized fibrinogen.
<b>Immunoblotting:</b>	Western blot detects fibrinogen under reduced and non-reduced conditions.



### References

[1] C.P. Jara et al. Novel fibrin-fibronectin matrix accelerates mice skin wound healing. (2020). *Bioact Mater.* 5(4):949-962.