

Murine Anti-von Willebrand factor

Clone GMA-022

Von Willebrand factor is a ~250 kDa glycoprotein found in blood that forms a series of large disulfide-linked multimers ranging in size from 500 kDa to >20,000 kDa. Von Willebrand factor has two important functions: mediating the adhesion of platelets to the subendothelium and protecting factor VIII from proteolysis. GMA-022 is suitable for ELISA and western blot applications.

Description

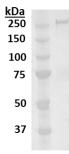
| Antibody Source: | mouse monoclonal, IgG ₁ |
|------------------------|-------------------------------------|
| Antigen Species Bound: | human |
| Specificity: | von Willebrand factor, D3 domain |
| Immunogen: | human von Willebrand factor |

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

ApplicationsWorking:
Concentration:2 μg/mL recommended for western
blotting. Researcher should titer
antibody in specific assay.ELISA:Binds immobilized human von
Willebrand factor.Immunoblotting:Binds von Willebrand factor under
reduced conditions.

GMA-022 Western blot of von Willebrand factor



References

[1] Y. Junyi, Y. Ling, L.A. Westfield, J.E. Sadler, J. Shao. Unfolding the A2 domain of von Willebrand factor with the optical trap. (2010). *Biophys J.* 98(8):1685-1693.

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