



monoclonal antibodies against human alpha-2- antiplasmin Product Nos. 3612, 3613, 3617

Description

3 murine monoclonal antibodies directed against human alpha-2-antiplasmin (α -2-antiplasmin), raised in cell culture and purified via affinity chromatography. Mice were immunized with purified human alpha-2-antiplasmin in preparation of the hybridoma clones.

Reactivities via Western blot

Property/Reactivity	3612 (IgG ₁)	3613 (IgG ₁)	3617 (IgG _{2a})
With native α -2-antiplasmin	Yes	Yes	Yes
With degraded α -2-antiplasmin	Yes	No	No
With plasmin/ α -2-antiplasmin complex (PAP)	Yes	8 kD cleavage product from PAP complex only	No
Inhibition of α -2-antiplasmin activity in a functional assay	No	No	Yes

No. 3617 demonstrates its inhibition of alpha-2-antiplasmin in the following assay. No. 3617 at 200 μ /mL is preincubated for 15 minutes at 37°C with varying amounts of alpha-2-antiplasmin. A known amount of plasmin is added and the solution incubated for 15 minutes at 37°C. The residual plasmin activity is measured with ADI No. 251 (the absorbance measured at 405 nm). At these conditions, the 200 μ g/mL of No. 3617 completely inhibited approximately 45 μ g/mL of alpha-2-antiplasmin.

Presentation

Vials of 0.5 mg of purified antibody lyophilized from 0.5 mL of 0.01M K₂HPO₄, 0.14M NaCl, pH 7.2 with 0.02% azide added. Add 0.5 mL filtered deionized water to reconstitute.

Reference

Hatley, E., *et al: Thrombosis Research*, 1987; **45**: 485.