

**AM09294PU-N****Monoclonal Antibody to Trichosanthin - Purified**

<b>Alternate names:</b>	TCST, rRNA N-glycosidase
<b>Quantity:</b>	0.5 mg
<b>Concentration:</b>	1.0 mg/ml (after reconstitution)
<b>Background:</b>	<p>Trichosanthin, an abortifacient, immunosuppressive and anti-tumor protein purified from the traditional Chinese herb medicine Tian Hua Fen, is a potent inhibitor against HIV-1 replication. Under normal enzymatic digestion conditions, trichosanthin cleaves the supercoiled double-stranded DNA to produce nicked circular and linear DNA. Trichosanthin has no effect on linear double-stranded DNA. Neither does it convert relaxed circular duplex DNA into a supercoiled form in the presence of ATP. Thus trichosanthin is not a DNA gyrase. However, trichosanthin can cleave the relaxed circular DNA into a linear form, indicating that both the circular as well as the supercoiled forms are essential for trichosanthin recognition. In addition, trichosanthin contains one calcium metal ion per protein molecule, which presumably is related to its endonucleolytic activity.</p>
<b>Host / Isotype:</b>	Mouse / IgG1
<b>Recommended Isotype Controls:</b>	SM10P (for use in human samples), AM03095PU-N
<b>Clone:</b>	TCST1
<b>Immunogen:</b>	Highly purified Trichosanthin / TCST.
<b>Format:</b>	<p><b>State:</b> Lyophilized purified IgG fraction.</p> <p><b>Purification:</b> Affinity Chromatography on Protein G.</p> <p><b>Buffer System:</b> 0.01M PBS, pH 7.2 without preservatives.</p> <p><b>Reconstitution:</b> Restore with Double distilled water to adjust the final concentration to 1.0 mg/ml.</p>
<b>Applications:</b>	<p><b>ELISA.</b></p> <p>Other applications not tested. Optimal dilutions are dependent on conditions and should be determined by the user.</p>
<b>Specificity:</b>	Reactive with Trichosanthin (TCST).
<b>Species Reactivity:</b>	<b>Tested:</b> Human.
<b>Storage:</b>	<p>Store the antibody at -20°C.</p> <p>Avoid repeated freezing and thawing.</p> <p>Shelf life: one year from despatch.</p>