



## PRODUCT SPECIFICATION

catalog number:	<b>A24110</b>								
product description:	TCA Monoclonal Antibody, Purified								
lot number:	[lot specific]								
immunogen:	TCA-BSA								
source:	Murine ascites								
form:	Liquid								
purification method:	DEAE chromatography								
purity:	>95% by SDS-PAGE and HPLC								
buffer:	0.015M potassium phosphate buffer, 0.85% NaCl, pH 7.2								
preservative:	0.05% NaN <sub>3</sub>								
isotype:	IgG <sub>1</sub> , kappa								
concentration:	[lot specific] mg/mL (based on A <sup>1%</sup> <sub>280nm</sub> = 14.0)								
specificity:	This antibody is specific for tricyclic antidepressants (TCA)								
cross-reactivity:	<table><tr><td>▪ Amitriptyline</td><td>100%</td><td>▪ Imipramine</td><td>140%</td></tr><tr><td>▪ Desipramine</td><td>120%</td><td>▪ Nortriptyline</td><td>90%</td></tr></table>	▪ Amitriptyline	100%	▪ Imipramine	140%	▪ Desipramine	120%	▪ Nortriptyline	90%
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▪ Desipramine	120%	▪ Nortriptyline	90%						
storage:	2-8°C short term (2 years); -20°C long term avoiding multiple freeze thaw cycles.								
hazard/biohazard:	This material contains sodium azide as a preservative; take appropriate precaution. There is no known biohazard associated with this product.								