

Product specifications

Name	Anti-Streptococcus group A 2650
Specificity	Antibody recognizes group A <i>Streptococcus</i> carbohydrate
Description	Rabbit monoclonal antibody specific to the Group A <i>Streptococcus</i> carbohydrate. <i>In vitro</i> cultured.
Product code	700031
Product buffer solution	0.01 M PBS, pH 7.2, 0.9 % NaCl, < 0.1 % NaN ₃ as a preservative
Shelf life and storage	24 months from manufacturing at 2–8 °C
Subclass	IgG ₁
Analyte description	<i>Streptococcus pyogenes</i> , or group A <i>Streptococcus</i> (GAS), is a species of β-hemolytic bacteria responsible for most cases of streptococcal illness, which typically begin in the throat or skin. GAS is the cause of various important human diseases, ranging from strep throat or mild rash to life-threatening conditions such as streptococcal toxic shock syndrome.

Parameters tested on each lot

Product appearance	Liquid
Product concentration	> 1.0 mg/ml
Immunoreactivity	Passed in ELISA when Anti-Streptococcus A 2650 was used as a capture or a detection antibody.
IEF Profile	-
Purity	> 90 %

Kinetic parameters

Association rate constant	Not Determined (N/D)
Dissociation rate constant	N/D
Affinity constant	N/D
Determination method	-
Determination antigen	-

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Cross-reactivities	No cross-reactivity with Streptococci groups B, C, D, F, G, and <i>Staphylococcus aureus</i> , <i>Treponema pallidum</i> , <i>Neisseria perflava</i> , <i>Streptococcus pneumoniae</i> (mixture of 8 capsular strains), <i>Bacillus cereus</i> , <i>Enterococcus faecalis</i> , <i>Enterococcus faecium</i> , <i>Bordetella pertussis</i> and <i>Escherichia coli</i> . Others not tested.	
Epitope	N/D	
Pair recommendations	CAPTURE ANTIBODY 2650	DETECTION ANTIBODY 2650
	Please note that pair recommendations are based on results obtained by our laboratory. Equally good results may be obtained using other pairs and therefore these recommendations are only indicative.	
Platforms tested	ELISA	
Antigens tested	N/D	
Product stability	TEMPERATURE, TIME N/D	RESULT
Miscellaneous	-	
References	-	

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