Recombinant Anti-N. meningitidis group B CP Antibody (V3S-0522-YC6013)

Cat. No.: V3S-0522-YC6013

Summary

Description	This product is a monoclonal antibody derived from Mouse (*Mus musculus*), which can specif ically recognize Neisseria meningitidis group B capsular polysaccharide. The antibody is expr essed with mammalian cell transient expression system, serum-free and purified by affinity ch romatography. The purity and integrity are tested via SDS-PAGE and SEC-HPLC analysis. Gi ven an antigen, additional QC measures are also desired such as affinity testing and binding validation. Specifically, the antibody is provided in multiple formats for in vivo and in vitro assays. The *In vivo* version features greater than 95% purity, ultra-low endotoxin levels (<1 EU/mg or 0.1 E U/mg), and is preservative, stabilizer, and carrier protein-free.
Clonality	Monoclonal
Host Species	Mouse
Target Species	*Neisseria meningitidis* group B
Isotype	IgG2b
Isotype Control	C35500
Secondary Antibody	C47504; C37557; C41360; C32672; C10001; C51001; C60306; C13172; C32251; C50005

Property

Expression Species	HEK293F or CHO
Conjugation	None
Purity	>95%, determined by SDS-PAGE and/or SEC-HPLC
Endotoxin	<1 EU/mg, determined by LAL method
Purification	Protein A affinity purified
Sterility	0.2 μM filtered
Formulation	PBS, pH 7.4
Preservation	No preservatives
Stabilizer	No stabilizers
Storage	Store at 4^{0}C within a week. For longer storage, aliquot and store at -20^{0}C.

For lab research use only, not for diagnostic, therapeutic or any *in vivo* human use.

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Applications

Application	ELISA
Application Notes	The antibody is recommended for detection of N. meningitidis group B CP by ELISA assay.

Target

Target	N. meningitidis group B CP
Alternative Name	CP; Capsular polysaccharide
Introduction	Neisseria meningitidis, often referred to as meningococcus, is a Gram-negative bacterium tha t can cause meningitis and other forms of meningococcal disease such as meningococcemia, a life-threatening sepsis.
Research Area	Microbiology
Related Disease	Bacterial meningitis, Septic shock

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