

PRODUCT SPECIFICATION

STATENS
SERUM
INSTITUT



HYB 041-01 Anti Pneumolysin

Mouse monoclonal antibody

Article No.	63547 (0.2 mL), 101059 (1.0 mL)											
Product Name	HYB 041-01 Anti Pneumolysin											
Clone	1F11											
Subclass	IgG1 / Kappa											
Description	Preparation:	Protein-A purified										
	Concentration:	1 mg/mL \pm 10%, based on A ₂₈₀ . See Certificate of Analysis for details.										
	Solvent:	PBS, pH 7.2 – 7.4										
	Storage:	-18 °C or colder										
Antigen	Pneumolysin (pneumococcal hemolysin) is an intracellular protein produced by all strains of <i>S. pneumoniae</i> (1) and is a cytoplasmic cholesterol-dependent cytolysin forming large pores in cholesterol-containing membranes and is therefore cytotoxic to mammalian cells (2). The molecular weight of pneumolysin is approximately 53 kDa.											
Immunogen	Pneumolysin.											
Specificity	HYB 041-01 reacts specifically with Pneumolysin from at least 9 different types of pneumococcal strains when tested by SDS-PAGE and WB. The tested pneumococcal types were 5, 6A, 11A, 11F, 12B, 15F, 19A, 25F and 35A.											
Epitope Specificity	Not determined.											
Reactivity	HYB 041-01 reacts well in ELISA with coated pneumococcal extract. Excellent detection of pneumolysin is seen on WB from SDS-PAGE separated pneumococcal strains.											
Culture Medium	Dulbecco's modified Eagle's medium with 10 % fetal calf serum.											
Fusion Partner	X63-Ag8.653.											
Immunization	Female CF1xBalb/c F1 hybrid mice were immunized i.p. with immunogen.											
Application	<table><thead><tr><th>Method</th><th>Usability</th></tr></thead><tbody><tr><td>ELISA</td><td>yes</td></tr><tr><td>RIA</td><td>nd.</td></tr><tr><td>Immunoblotting</td><td>yes</td></tr><tr><td>Immuno.fluoresc.</td><td>nd.</td></tr></tbody></table>	Method	Usability	ELISA	yes	RIA	nd.	Immunoblotting	yes	Immuno.fluoresc.	nd.	
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References	1) Kalin, M., Kanclerski, K., Granstrom, M and Möllby, R. (1987) Diagnosis of pneumococcal pneumonia by enzyme-linked immunosorbent assay of antibodies to pneumococcal hemolysin (pneumolysin). <i>J. Clin. Microbiol.</i> 25, 226-229. 2) Gilbert, R.J. (2002) Pore-forming toxins. <i>Cell Mol. Life Sci.</i> 59, 832-844.											

Conditions

For research use only. Not for use in diagnostic procedures. Not for therapeutic use or applications.

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