

PRODUCT SPECIFICATION

STATENS
SERUM
INSTITUT



HYB 300-05 Anti Poliovirus type 3

Mouse monoclonal antibody

Article No.	64071 (0.2 mL), 101066 (1.0 mL)									
Product Name	HYB 300-05 Anti Poliovirus type 3									
Clone	45D5									
Subclass	IgG2a / 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	Polio (acute poliomyelitis, infantile paralysis) is caused by the poliovirus, which may infect the nervous system and cause lasting paralysis. Poliovirus is a single-stranded RNA virus and a member of the Picornavirus family. There are three separate types of the virus: Type 1, Type 2, and Type 3.									
Immunogen	Polio virus type 3 (inactivated).									
Specificity	There is no cross reactivity with type 1 and 2.									
Epitope Specificity	Overlapping with that of HYB 300-06.									
Reactivity	HYB 300-05 reacts well in ELISA and we recommend using this antibody in a sandwich assay with HYB 300-06 as catching antibody and biotinylated HYB 300-05 as detection antibody. HYB 300-05 and HYB 300-06 can in combination neutralize concentrated virus for at least 12 days.									
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>Immunoblotting</td><td>nd.</td></tr><tr><td>Immuno.fluoresc.</td><td>nd.</td></tr></tbody></table>	Method	Usability	ELISA	yes	Immunoblotting	nd.	Immuno.fluoresc.	nd.	
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Conditions

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

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