

Monoclonal Antibody to Lipopolysaccharide (LPS gram negative bacteria, Biphospholipid A) - Ascites

Catalog No.:	BM3103
Quantity:	1 ml
Concentration:	~0.1 mg/ml (OD280nm, E1%=14)
Host / Isotype:	Mouse / IgG2b
Clone:	26-5
Immunogen:	Synthetic Lipid A
Format:	State: Liquid diluted ascites (sterile filtered) Buffer System: PBS containing 1% BSA and 0.09% Sodium Azide as preservative
Applications:	Agglutination (use undiluted). ELISA (1:10 in phosphate buffered saline containing 4% BSA and 0.05% Tween, see also protocol below). Other applications not tested. Optimal dilutions are dependent on conditions and should be determined by the user.
Specificity:	Reactive with the hydrophilic region of Biphospholipid A (LPS gram negative bacteria, Lipopolysaccharide) in PHA and ELISA. In PHA, clone 26-5 induced hemolysis only with SRBC coated with Lipid A and not with ReLPs.
Storage:	Store the antibody at 2-8°C. Shelf life: One year from despatch.
General Readings:	Erich et al., 1989, J. Immunol., 143, 4053
Protocols:	For ELISA prepare bacteria suspension in PBS (5x10e8 bact./ml). Coat ELISA plate with 100 µl/well for 1 hour at 37°C, store overnight at 2-8°C and wash 5 times with tapwater with 0.05% Tween (TT). Incubate with diluted antibody, 1 hour at 37°C. Wash 5 times with TT. Incubate with appropriate conjugate (anti-mouse Ig enzyme labeled antibody). Add substrate solution, incubate, stop reaction and read optical density.