Product datasheet MON7064

Mouse anti-LTA, clone 55 (Monoclonal)

Clone no. 55

MONOSAN

Product name	Mouse anti-LTA, clone 55 (Monoclonal)
Host	Mouse
Applications	IHC-fr,FC,ELISA,IF,WB
Species reactivity	n/a
Conjugate	-
Immunogen	Unknown or proprietery to MONOSAN and/or its suppliers
Isotype	IgG3
Clonality	Monoclonal
Clone number	55
Size	1 ml
Concentration	> 200 ug/ ml
Format	-
Storage buffer	PBS with 0.1% BSA and 0.02% sodium azide
Storage until expiry date	2-8°C

FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES

Mouse anti-LTA, clone 55 (Monoclonal)

Clone no. 55

Additional info

The monoclonal antibody 55 recognizes lipoteichoic acid (LTA). LTA, a glycerol phosphate surface polymer, is a component of the envelope of Gram-positive bacteria. LTA is anchored via its glycolipids to the membrane and carries a polysaccharide chain extending into the peptidoglycan layer of the cell wall. LTA is released spontaneously into the culture medium during growth of gram-positive bacteria. LTA functions as an immune activator with characteristics very similar to lipopolysaccharide (LPS) from Gram-negative bacteria. LTA binds to CD14 and triggers activation predominantly via Toll-like receptor 2. Although LTA is internalized and traffics to the Golgi, the cellular activation in response to LTA occurs at the cell surface.

References

1. Hogg;S et al. journal of systematic bacteriology 1997; 47:62
2. Langevelde, P et al Antimicrob Agents Chemother 1998, 42: 3073
3. Langevelde; P et al. Antimicrob Agents Chemother 1999; 43: 2984
4. Triantafilou M et al. J Biol Chem 2004; 279: 40882
5. Henneke P et al. J Immunol 2005; 174: 6449

FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES