

Mouse Anti Treponema Pallidum Monoclonal Antibody

DMABT-51615MT Mouse(*T. Pallidum*)

Lot. No. (See product label)

PRODUCT INFORMATION

Product Overview	Mouse Anti Treponema Pallidum
Immunogen	Formalin inactivated Treponema pallidum, strain N8, cultivated in vitro.
Host	Mouse
Isotype	IgG2a
Species	Bacterial
Clone	UsQ44
Conjugation	N/A
Applications	ELISA, HA,

PACKAGING

Format	Purified IgG - liquid
Protein Concentration	IgG concentration 1.0 mg/ml
Buffer	Phosphate buffered saline
Storage	Store at +4 centigrade or at -20 centigrade if preferred. Storage in frost-free freezers is not recommended. This product should be stored undiluted. Avoid repeated freezing and thawing as this may denature the antibody. Should this product contain a precipitate we recommend microcentrifugation before use.
Preservative	0.09% Sodium Azide (NaN ₃)
Shelf Life	18 months from date of despatch.

BACKGROUND

Introduction	Treponema pallidum is a species of spirochaete bacterium with subspecies that cause treponemal diseases such as syphilis, bejel, pinta and yaws. The treponemes have a cytoplasmic and outer membrane. They are not seen on a Gram stained smear because the organism is too thin to be observed under a light microscope. The recent sequencing of the genomes of several spirochetes permits a thorough analysis of the similarities and differences within this bacterial phylum. Treponema pallidum subsp. pallidum has one of the smallest bacterial genomes at 1.14 million base pairs (Mb), and has limited metabolic capabilities, reflecting its adaptation through genome reduction to the rich environment of mammalian tissue. The shape of Treponema pallidum is flat and wavy, unlike the other spirochetes, which are helical.
Keywords	Spirochaetes; Spirochaetales; Spirochaetaceae; Treponema; T. pallidum; Treponema pallidum