



Anti-Bacteria Monoclonal antibody (DMAB9441)

This product is for research use only and is not intended for diagnostic use.

PRODUCT INFORMATION

Product Overview	Mouse monoclonal antibody to bacteria dental bacterial plaque.
Target	Bacteria
Immunogen	Dental bacterial plaque from human
Isotype	IgG3
Source/Host	Mouse
Species Reactivity	Bacteria
Conjugate	Unconjugated
Applications	WB, AP
Molecular Weight	709 aa, mol wt 79,622 Dal.
Size	supernatant 1 ml
Preservative	None
Storage	-20 °C, Avoid freeze / thaw cycles

BACKGROUND

Introduction	Dental plaque is a biofilm, usually a pale yellow, that develops naturally on the teeth. Like any biofilm, dental plaque is formed by colonizing bacteria trying to attach themselves to a smooth surface (of a tooth). It has been also speculated that plaque forms part of the defense systems of the host by helping to prevent colonization by microorganisms which may be pathogenic. The
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oral cavity contains the only known anatomical aspect of the human body that does not have a regulated system of shedding surfaces: the teeth. This allows a numerous amount of microorganisms to adhere to the surface of teeth for long periods of time. These multiple species of bacteria become dental biofilm. Dental biofilm, more commonly referred to as dental plaque, is composed of about a thousand bacteria that take part in the complex ecosystems of the mouth. The natural, non-frequent regulation of tooth shedding plays a large role in making dental biofilm the most diverse biofilm in the human body despite the relatively small size of the teeth.

Keywords

Dental bacterial plaque
