Anti-Streptococcus mutans antibody ab31181

Overview

Product name: Anti-Streptococcus mutans antibody
Description: Rabbit polyclonal to Streptococcus mutans
Host species: Rabbit
Specificity: ab31181 recognises Streptococcus mutans.
Tested applications: Suitable for: ELISA, Immunoelectrophoresis, Immunodiffusion, WB
Species reactivity: Reacts with: Other species
Immunogen: Streptococcus mutans whole cell.

Properties

Form: Liquid
Storage buffer: pH: 7.20
Preservative: 0.02% Sodium azide
Constituents: 0.0268% PBS, 0.812% Sodium chloride
Purity: Protein A purified
Clonality: Polyclonal
Isotype: IgG

Applications

Our Abpromise guarantee covers the use of ab31181 in the following tested applications.
The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

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**Application**  
Immunodiffusion

**Abreviews**

**Notes**

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**Application notes**
ELISA: 1/10000.
ID: Use at an assay dependent dilution.
Ie: Use at an assay dependent dilution.
WB: Use at an assay dependent dilution.

Not yet tested in other applications.
Optimal dilutions/concentrations should be determined by the end user.

**Target**

**Relevance**

Streptococcus mutans is a Gram positive, facultatively anaerobic bacteria commonly found in the human oral cavity and is a significant contributor to tooth decay. S. mutans plays a major role in tooth decay, metabolizing sucrose to lactic acid. The acidic environment created in the mouth by this process is what causes the highly mineralized tooth enamel to be vulnerable to decay. S. mutans is one of a few specialized organisms equipped with receptors for adhesion to the surface of teeth. Sucrose is utilized by S. mutans to produce a sticky, extracellular, dextran based polysaccharide that allows them to cohere to each other forming plaque. S. mutans produces dextran via the enzyme dextransucrase using sucrose as a substrate.

**Please note:** All products are "FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES"

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