



# Rabbit Anti-S. mutans Polyclonal antibody (CABT-CS159)

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

## PRODUCT INFORMATION

<b>Specificity</b>	Streptococcus mutans; not cross-react against S.oralis ATCC 9811; P.gingivalis; F.nucleatum ATCC 25586.
<b>Target</b>	S. mutans
<b>Immunogen</b>	S. mutans ATCC 25175 10 <sup>10</sup> cells inactivated in glutaraldehyde 2.5%v/v
<b>Source/Host</b>	Rabbit
<b>Species Reactivity</b>	S. mutans
<b>Purification</b>	Polyclonal immunoglobulins purified by protein A affinity chromatography
<b>Conjugate</b>	unconjugated
<b>Applications</b>	ELISA, FACS, Confocal laser scanning microscopy
<b>Format</b>	Liquid
<b>Size</b>	200 µl
<b>Buffer</b>	Supplied in 100mM sodium citrate, 50mM Tris and 0.05% v/v glycerol. Neutral pH.
<b>Preservative</b>	None
<b>Storage</b>	Shipped at +4°C. When stored at +4°C, the antibody is stable for 18 months. For extended storage, the solution may be frozen at –20°C in working aliquots. Avoid repeated freezing and thawing cycles.

## BACKGROUND

**Introduction**

Streptococcus mutans is a Gram-positive bacterium that lives in the mouth. The bacterium metabolizes different kinds of carbohydrates, creating an acidic environment in the mouth as a result of this process. This acidic environment in the mouth is what causes the tooth decay. S. mutans is considered to be the most cariogenic of all of the oral Streptococci.

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**Keywords**

S. mutans; Streptococcus mutans

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