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## Rabbit Anti Streptococcus oralis ANT0083



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200µl	
Description	<ul> <li>S. oralis is a gram positive, non-motile, α-haemolytic bacterium that form chains of cocci.</li> <li>Streptococcus oralis is a commensal bacteria and is found in the human oral cavity [1]. S. oralis is a component of the normal human oral microbiota, and is capable of opportunistic pathogenicity.</li> <li>Once regarded as a minor opportunistic pathogen, S. oralis is now considered a significant pathogen that affects immunocompromised individuals and those with hematological malignancy (cancers that affect the blood). In these individuals S. oralis is known to create such complications as bacterial endocarditis, adult respiratory distress syndrome and streptococcal shock [1].</li> <li>S. oralis is related to S. pneumoniae a common case of otitis media, septicemia, pneumonia, and meningitis in children that results in a significant mortality rate throughout the world [2]. S. oralis is known to be one of the first bacteria to begin to form the plaque biofilm. Research shows that the S. oralis is able to interact with Porphyromonas gingivalis, which is considered to be one of the leading causes of periodontal disease. Periodontal disease is considered the most common disease affecting the human oral cavity [3].</li> <li>Interesting facts S. oralis has only been reported to cause meningitis in cases where dental work was recently performed [4]. S. oralis is also seeing use as a probiotic to help support a healthy oral cavity. The strain used as the probiotic is modified, and it helps to aid in restoring the mouth with good bacteria and helping to keep out bacteria that degenerate oral health. To do this, S. oralis colonizes sites around teeth such as the gums, and competes with other bacteria [5].</li> </ul>
Product type	Primary Polyclonal antibody
Immunogen	S. oralis ATCC 9811 10 <sup>10</sup> cells inactivated in glutaraldehyde 2.5%v/v
Source	Rabbit
Reacts with	Streptococcus oralis
Specificity	Streptococcus oralis; not cross-react against S.mutans ATCC 25175; P.gingivalis ATCC 33277; F.nucleatum ATCC 25586 <b>[6].</b>
Tested applications	ELISA; FACS; Confocal laser scanning microscopy;
Recommended dilutions	Recommended starting dilutions can vary lot-to-lot. Consult the product information label in the package for lot specific values
	<b>Note:</b> When using any primary antibody or fluorescence-labelled secondary antibody for the first time, titrate out the antibody to determine which dilution allows the strongest specific signal with the lowest background for your sample <b>[6]</b> .
Purity	Polyclonal immunoglobulins purified by protein A affinity chromatography.
Form	Liquid. Supplied in 100mM sodium citrate, 50mM Tris and 0.05% v/v glycerol. Neutral pH.
Storage	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. <b>Note:</b> Avoid repeated freezing and thawing cycles.

## Reference

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A dual-species microbial model for studying the dynamics between oral streptococci and periodontal pathogens during biofilm development on titanium surfaces by flow cytometry.

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