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Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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Anti-Cell-wall antigen B [OMVU10] Ab03571-23.0-BT

This chimeric rabbit antibody was made using the variable domain sequences of the original Mouse IgG2b format, for improved compatibility with existing reagents, assays and techniques.

Isotype and Format: Rabbit IgG, Kappa

Clone Number: OMVU10

Alternative Name(s) of Target: Group B cell wall antigen; polysaccharide antigen of group B

UniProt Accession Number of Target Protein:

Published Application(s): ELISA, IF

Published Species Reactivity: Streptococcus downei, Streptococcus sobrinus

Immunogen: The original antibody was generated by immunizing BALB/c mice with bacterial cell suspension of strain HG459 of Streptococcus sobrinus.

Specificity: This antibody reacts with the purified cell-wall antigen B of Streptococcus sobrinus, which is an anaerobic, gram-positive, catalase-negative, non-motile bacteria. It also cross reacts with Streptococcus downei. Streptococcus sobrinus is a pathogenic bacteria in humans which enhances the formation of caries within teeth. S. sobrinus is also affiliated with early childhood caries, which are responsible for the majority of dental abscesses and toothaches in children.

Application Notes: This antibody can be used for the identification of different strains of Streptococcus sobrinus using ELISA and immunofluorescence assay. This antibody was not found to cross react with strains other than S. sobrinus (PMID: 3323224). This antibody was used for the enumeration of Streptococci from dental plaque or saliva with the colony immunoblot technique. This antibody could not directly bind S. sobrinus in dental plaque samples, thus the samples were cultured prior to immunological detection and identification (PMID: 2254421).

Antibody First Published in: Soet et al. Identification of Streptococcus sobrinus with monoclonal antibodies. Antonie Van Leeuwenhoek. 1990 Nov; 58(4):219-25. [PMID:3323224](#)

Note on publication: Describes the generation of two antibodies against Streptococcus sobrinus.

Product Form

Size: 1 mg Purified antibody in bulk size.

Purification: Protein A affinity purified

Supplied In: PBS only.

Storage Recommendation: Store at 4°C for up to 3 months. Note, this antibody is provided without

added preservatives, it is therefore recommended this antibody be handled under sterile conditions. For longer storage, aliquot and store at -20°C.

Concentration: 1 mg/ml.

Important note - This product is for research use only. It is not intended for use in therapeutic or diagnostic procedures for humans or animals.