



Anti-S. pyogenes Group A Polyclonal antibody (DPAB1430)

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

PRODUCT INFORMATION

Specificity	Type specific carbohydrate of group A Streptococcus. Does not cross-react with other strep. groups.
Target	S. pyogenes Group A
Immunogen	Streptococci, group A
Isotype	IgG
Source/Host	Rabbit
Species Reactivity	S. pyogenes
Purification	Covalently coupled to a highly purified preparation of horseradish peroxidase (RZ3). Care is taken to ensure adequate conjugation while preserving maximum enzyme activity. Free enzyme is absent.
Conjugate	Unconjugated
Applications	Suitable for use with avidin and streptavidin amplification for ELISA, IFA and lateral flow assays. Each laboratory should determine an optimum working titer for use in its particular application. Other applications have not been tested but use in such assays should not necessarily be excluded.
Format	HRP, Liquid
Concentration	1mg/ml (OD280nm, E0.1%=1.4)
Size	1 ml
Buffer	PBS containing 10mg/ml BSA

Preservative	None
Storage	Short-term (up to 6 months) store at 2-8°C. Long term, aliquot and store at -20°C. Avoid multiple freeze/thaw cycles.

BACKGROUND

Introduction	Streptococcus pyogenes is a spherical, Gram-positive bacterium that is the cause of Group A streptococcal infections. S. pyogenes displays streptococcal group A antigen on its cell wall. S. pyogenes typically produces large zones of beta-hemolysis (the complete disruption of erythrocytes and the release of hemoglobin) when cultured on blood agar plates, and are therefore also called Group A (beta-hemolytic) Streptococcus (abbreviated GABHS).
Keywords	Group A strep; Group A streptococci; Group A streptococcus; Firmicutes; Cocci; Lactobacillales; Streptococcaceae; Streptococcus; S. pyogenes; Streptococcus pyogenes; Streptococcus group A