



# Anti-S. pyogenes Group A Polyclonal antibody (DPAB1417)

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

## PRODUCT INFORMATION

<b>Specificity</b>	Type specific carbohydrate of group A Streptococcus. Does not react with other Strep groups.
<b>Target</b>	S. pyogenes Group A
<b>Immunogen</b>	Streptococci, Group A
<b>Source/Host</b>	Goat
<b>Species Reactivity</b>	S. pyogenes
<b>Purification</b>	Immunoaffinity purified antibody 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. Estimated molar HRP: IgG su
<b>Conjugate</b>	Unconjugated
<b>Applications</b>	Suitable for use in immunocytochemistry and ELISA applications. A starting range of 1:20-1:200 is recommended for immunocytochemistry and 1:200-1:1,000 for ELISA. 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.
<b>Format</b>	Liquid
<b>Concentration</b>	1mg/ml (OD280nm, E0.1%=1.4)
<b>Size</b>	1 ml
<b>Buffer</b>	PBS containing 10mg/ml BSA
<b>Preservative</b>	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.

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## BACKGROUND

**Introduction**

*Streptococcus pyogenes* (Group A streptococcus) is a Gram-positive, nonmotile, nonsporeforming coccus that occurs in chains or in pairs of cells. Individual cells are round-to-ovoid cocci, 0.6-1.0 micrometer in diameter. Streptococci divide in one plane and thus occur in pairs or (especially in liquid media or clinical material) in chains of varying lengths. The metabolism of *S. pyogenes* is fermentative; the organism is a catalase-negative aerotolerant anaerobe (facultative anaerobe), and requires enriched medium containing blood in order to grow. Group A streptococci typically have a capsule composed of hyaluronic acid and exhibit beta (clear) hemolysis on blood agar.

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**Keywords**

Firmicutes; Cocci; Lactobacillales; Streptococcaceae; Streptococcus; *S. pyogenes*; *Streptococcus pyogenes*; Group A strep; Group A streptococci; Group A streptococcus; *Streptococcus* group A

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