

## Polyclonal Antibody to Streptococcus Group A - FITC

<b>Catalog No.:</b>	BP1067F
<b>Quantity:</b>	1 ml
<b>Concentration:</b>	1.0 mg/ml (OD280 nm, E0.1% = 1.4)
<b>Background:</b>	<p>The genus <i>Streptococcus</i> is comprised of a wide variety of both pathogenic and commensal gram positive bacteria which are found to inhabit a wide range of hosts, including humans, horses, pigs and cows. Within the host, streptococci are often found to colonize the mucosal surfaces of the mouth, nose and pharynx.</p> <p>Streptococci can be divided into many groups on the basis of antigenic differences in group-specific polysaccharides located in the bacterial cell wall. More than 20 serologic groups have been identified and designated by letters, eg, A, B, C.</p> <p>Group A streptococci, cause a wide-range of disease in humans, from mild sore throats to life-threatening invasive disease such as necrotising fasciitis. <i>Streptococcus pyogenes</i> (a group A <i>Streptococcus</i>) is one of the most important pathogens encountered in clinical practice.</p> <p>Group A streptococci (GAS) are gram-positive, nonmotile, non-spore-forming organisms that appear as pairs or short-to-moderate-sized chains.</p> <p>Group A organisms can be identified by enzyme immunoassays.</p>
<b>Host:</b>	Goat
<b>Immunogen:</b>	Streptococci, Group A
<b>Format:</b>	<p><b>State:</b> Liquid purified Ig fraction</p> <p><b>Purification:</b> Immunoaffinity chromatography</p> <p><b>Buffer System:</b> 0.01 M PBS, pH 7.2, containing 0.09% sodium azide as preservative and 10 mg/ml BSA as stabilizer</p> <p><b>Label:</b> FITC – High purity Isomer I of fluorescein isothiocyanate Care is taken to ensure complete removal of any free fluorescein from the final product</p> <p><i>Molar Ratio:</i> F:P ratio = 5.4</p>
<b>Applications:</b>	<p>ELISA (functions both as capture and detection antibody).</p> <p>Immunofluorescence assay: a starting range of 1:10-1:50 is suggested.</p> <p>Direct Fluorescence assay staining of target antigens in a permissive tissue culture system. Acetone fixation of the antigen source is recommended prior to staining. Pre-block slide with 10 % normal goat serum.</p> <p>Other applications not tested. Optimal dilutions are dependent on conditions and should be determined by the user.</p>
<b>Specificity:</b>	<p>The antibody recognizes a type specific carbohydrate for group A <i>Streptococcus</i>.</p> <p>Does not cross-react with other Strep groups.</p>
<b>Add. Information:</b>	<p>There is potential non-specific reactivity with each organisms as group C <i>Streptococcus</i> and <i>Staphylococcus</i> due to the presence of protein A like proteins (<i>Staphylococcus</i>) and protein</p>

**For research and in vitro use only. Not for diagnostic or therapeutic work.**

Material Safety Datasheets are available at [www.acris-antibodies.com](http://www.acris-antibodies.com) or on request.

Antibody Hotline - Technical Questions - Antibody Location Service  
Free Call: 0800-2274746 (Germany only) - [www.acris-antibodies.com](http://www.acris-antibodies.com)

C like proteins (Streptococcus C) present on the intact surface of these bacteria. These proteins bind any immunoglobulin (including the FITC Conjugate) and therefore will appear to fluoresce (non-specifically).

**Storage:**

Store the antibody undiluted at 2-8°C for one month or (in aliquots) at -20°C for longer.

Avoid repeated freezing and thawing.

This product is photosensitive and should be protected from light.

Shelf life: one year from despatch.

---

**For research and in vitro use only. Not for diagnostic or therapeutic work.**

Material Safety Datasheets are available at [www.acris-antibodies.com](http://www.acris-antibodies.com) or on request.

Antibody Hotline - Technical Questions - Antibody Location Service  
Free Call: 0800-2274746 (Germany only) - [www.acris-antibodies.com](http://www.acris-antibodies.com)