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Product datasheet for BP1067P

Streptococcus Group A Goat Polyclonal Antibody

Product data:

Product Type:	Primary Antibodies
Applications:	ELISA, IF, IHC, WB
Recommended Dilution:	Functions both as a capture and detection antibody in ELISA. Conjugates well with colloidal gold. Recommended pairs for sandwich immunoassay: Capture Detection BP1067P BM3121 BM3121 BP1067P
Reactivity:	Streptococcus sp.
Host:	Goat
Clonality:	Polyclonal
Immunogen:	Streptococci, group A
Specificity:	Type specific carbohydrate of group A Streptococcus. Does not react with other Strep groups.
Formulation:	0.01 M PBS, pH 7.2, containing 0.09 % Sodium azide as preservative. State: Aff - Purified State: Liquid purified Ig fraction.
Concentration:	lot specific
Purification:	Immunoaffinity chromatography.
Conjugation:	Unconjugated
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.
Stability:	Shelf life: one year from despatch.

View online »

Background:

The genus Streptococcus 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.
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.
Group A streptococci, cause a wide-range of disease in humans, from mild sore throats to life-threatening invasive disease such as necrotising fasciitis. Streptococcus pyogenes (a group A Streptococcus) is one of the most important pathogens encountered in clinical practice.
Group A streptococci (GAS) are gram-positive, nonmotile, non-spore-forming organisms that appear as pairs or short-to-moderate-sized chains.
Group A organisms can be identified by enzyme immunoassays.