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Recombinant Streptococcus SPG/IgG-binding protein G Protein

Catalog No.: RPT0009LQ **Recombinant**

Sequence Information

Species	Gene ID	Swiss Prot
Streptococcus		P19909

Tags
C-His

Synonyms
Immunoglobulin G-binding protein G; IgG-binding protein G; SPG

Product Information

Source	Purification
E. coli	≥ 95 % as determined by SDS-PAGE.

Calculated MW	Observed MW
22.17 kDa	25-30 kDa

Endotoxin
< 1 EU/μg of the protein by LAL method.

Formulation
Supplied as a 0.22 μm filtered solution in PBS, pH 7.4.

Reconstitution

Background

Protein G is a bacterial protein derived from the cell wall of certain strains of b-hemolytic Streptococcci. It binds with high affinity to the Fc portion of various classes and subclasses of immunoglobulins from a variety of species. Protein G binds to all IgG subclasses from human, mouse and rat species. It also binds to total IgG from guinea pig, rabbit, goat, cow, sheep, and horse. Protein G binds preferentially to the Fc portion of IgG, but can also bind to the Fab region, making it useful for purification of F(ab') fragments of IgG. Due to it's affinity for the Fc region of many mammalian immunoglobulins, protein G is considered a universal reagent in biochemistry and immunology.

Basic Information

Description
Recombinant Streptococcus SPG/IgG-binding protein G Protein is produced by E. coli cells expression system.The target protein is expressed with sequence□Leu190-Lys384□of Streptococcus SPG/IgG-binding protein G (Accession # P19909) fused with a C-His tag at the C-terminus.

Bio-Activity

Shipping
The product is shipped at ambient temperature. Upon receipt, store it immediately at the temperature recommended below.

Storage
Store at -70℃. This product is stable at ≤ -70℃ for up to 1 year from the date of receipt. For optimal storage, aliquot into smaller quantities after centrifugation and store at recommended temperature. Avoid repeated freeze-thaw cycles.
Avoid repeated freeze/thaw cycles.

Operational Notes
For your safety and health, please wear a lab coat and disposable gloves for handling.

Contact

400-999-6126

cn.market@abclonal.com.cn

www.abclonal.com.cn

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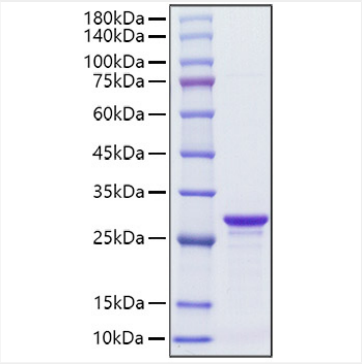
Validation Data



Recombinant Streptococcus SPG/IgG-binding protein G Protein was determined by SDS-PAGE under reducing conditions with Coomassie Blue.

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