www.neobiolab.com
info@neobiolab.com
888.754.5670, +1 617.500.7103 United States
0800.088.5164, +44 020.8123.1558 United Kingdom

Protein-G His

Catalog #:PRPS-1244

For research use only.

Description: Protein G His Tag Recombinant produced in E.Coli is a 202 amino acids protein which contains amino acid 190-384 of the Streptococcus sp with a C-terminal 6-His tag, and having a molecular mass of 22.4kDa. But it migrates with an apparent molecular mass of 32kDa in SDS-PAGE.The Protein G His Tag is purified by proprietary chromatographic techniques.

Source: Escherichia Coli.

Physical Appearance: Sterile Filtered White lyophilized (freeze-dried) powder.

Purity: Greater than 95.0% as determined by SDS-PAGE and HPLC analyses.

Specificty:

1. Binds with greater affinity to most mammalian immunoglobulins than Protein A, including human IgG3 and rat IgG2a.2. Does not bind to human IgM, IgD and IgA.

Formulation:

Lyophilized with no additive.

Stability:

Lyophilized Protein G althoμgh stable at room temperature for 3 weeks, should be stored desiccated below -18°C. Upon reconstitution Protein G should be stored at 4°C between 2-7 days and for future use below -18°C.Please prevent freeze-thaw cycles.

Usage:

NeoBiolab's products are furnished for LABORATORY RESEARCH USE ONLY. The product may not be used as drμgs, agricultural or pesticidal products, food additives or household chemicals.

Applications:

Protein G binds to the constant region of many species of immunoglobulin G. It can be used to detect, quantify and purify IgG antibodies and antibody/antigen complexes. Recombinant Protein G contains only IgG binding domains. The albumin-binding domain as well as cell wall and cell membrane binding domains have been removed to ensure the maximum specific IgG binding capacity.

Solubility:

It is recommended to reconstitute the lyophilized Protein G in sterile 18M-cm H2O not less than 100

To place an order, please Click HERE.

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