

Protein G

Description: Recombinant streptococcal protein G lacking the albumin binding region thereby avoiding undesirable reactions with albumin, though the Fc binding domain is still present. The recombinant Protein G is produced in Escherichia coli using sequence from Streptococcus C1-C2-C3. The Protein G contains 196 amino acids (190-384) having a molecular mass of 21.6 kDa. The Protein-G migrates on SDS-PAGE around 32 kDa.

Catalog #: PRPS-409

For research use only.

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

Amino Acid Sequence:

MTYKLILNGKTLKGTTTEAVDAATAEKVFKQYANDNGVDGEWYDDAT
KTFTVTEKPEVIDASELTPAVTTYKLVLINGKTLKGTTTEAVDAATAEKVFK
QYANDNGVDGEWYDDATKTFTVTEKPEVIDASELTPAVTTYKLVLINGKTL
KGTTTTKAVIDAETAETAEKAFKQYANDNGVDGVWYDDATKTFTVTE.

Purity: >95% as determined by SDS-PAGE and RP-HPLC.

Specificity:

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 white Powder containing no additives.

Usage:

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

Storage:

Lyophilized Recombinant Protein G although 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.

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