Protein A/G Recombinant Protein

PRODUCT OVERVIEW

Product Name	Protein A/G, Recombinant Protein
Full Product Name	Protein A/G, Recombinant
Host	E Coli
Form/Format	Supplied as a lyophilized powder. Reconstitute in ddH2O to 5mg/ml.
Purity/Purification	Highly Purified 98% (SDS-PAGE and HPLC)
Specificity	Under optimal conditions, 1mg protein A/G will bind approximately 5mg human IgG. Optimal binding of Protein A/G to antibodies occurs at pH 5-8 and can be eluted over a pH range of 2.5 to 3.0.
Preparation and Storage	Lyophilized powder may be stored at -20 degree C. Stable for 12 months at -20 degree C. Reconstitute with sterile ddH2O. Aliquot to avoid repeated freezing and thawing. Store at -20 degree C. For maximum recovery of product, centrifuge the original vial after thawing and prior to removing the cap. Further dilutions can be made in assay buffer.
Molecular Weight	59.7kD
Endotoxin Level	0.1EU/mg
Product Categories/Family for Protein A/G recombinant protein	BioSeparation; BioSep-Protein A/G/L
Applications Tested/Suitable for Protein A/G recombinant protein	Western Blot (WB)
Related Product Information for Protein A/G recombinant protein	Protein A/G is a genetically engineered protein that combines the IgG binding profiles of both Protein A and Protein G. It is a gene fusion product. Recombinant fusion protein A/G contains 6x His-tag on the N-terminus, five Ig-binding regions of protein A fusion with three Ig-binding region of protein G. Cell wall binding region, albumin binding region and other non-specific binding regions have been eliminated from the fusion protein A/G to ensure the maximum specific IgG binding. 6x His-tag on N-terminus can be used for affinity purification or for protein A/G detection using anti-His-tag antibody. Protein A/G binds to all IgG subclasses from various mammalian species, including all IgGs that bind to both Protein A and Protein G, making it the ideal choice for purification of all kinds of polyclonal or monoclonal IgG antibodies.
Other Notes	Small volumes of Protein A/G recombinant protein vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container`s cap. Certain products may require to ship with dry ice and additional dry ice fee may apply.
Searchable Terms for Protein A/G purchase	MBS638083 is a recombinant protein targeting Protein A/G. Also known as Protein A/G, Recombinant. Host: E Coli.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for Protein A/G. It may not necessarily be applicable to this product.

NCBI GI #	320029504
NCBI Accession #	EFW11533.1
NCBI Official Full Name	putative outer membrane protein A (3a;II*;G;d)

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