

# Recombinant Protein A/G/L

<b>CATALOG #:</b>	6540-1	1 mg
	6540-5	5 mg
	6540-25	25 mg
	6540-100	100 mg
	6540-1000	1 g
<b>LOT #:</b>	-----	
<b>SOURCE:</b>	Recombinant protein expressed in <i>E. coli</i>	
<b>PURITY:</b>	>95% by SDS-PAGE and HPLC analyses Endotoxin level is <0.1 EU/mg of Protein A/G/L.	
<b>MOL. WEIGHT:</b>	101 kDa	
<b>THEORETICAL PI:</b>	4.76	
<b>FORM:</b>	Lyophilized	
<b>RECONSTITUTION:</b>	Reconstitution in water to a concentration of 10 mg/ml gives a clear solution.	

## STORAGE CONDITIONS:

Store at -20°C. After reconstitution, aliquot and store at -20°C. Avoid repeated freezing and thawing.

## APPLICATIONS:

Protein A/G/L is a genetically engineered protein that combines the IgG binding profiles of all Protein A, Protein G and Protein L. It is a gene fusion product. Recombinant fusion protein A/G/L contains 6x His-tag on the N-terminus with five Ig-binding regions of protein L, five IgG binding domains from Protein A, and three Ig-binding region of protein G. Cell wall binding regions, albumin binding regions and other non-specific binding regions have all been eliminated from the fusion protein to ensure the maximum specific IgG binding. 6x His-tag on N-terminus can be used for affinity purification or for protein A/G/L detection using anti-His-tag antibody.

Protein A/G/L binds to all IgG subclasses from various mammalian species, including all IgGs that bind to Protein A, Protein G, and Protein L, individually, making it the ideal choice for purification of all kinds of polyclonal or monoclonal IgG antibodies.

## SPECIFICITY:

Under optimal conditions, 1 mg protein A/G/L will bind approximately 5-15 mg human IgG. Optimal binding of Protein A/G/L to antibodies occurs at pH 5.0 to 8.0 and can be eluted over a pH range of 2.5 to 3.0.

**FOR RESEARCH USE ONLY! NOT TO BE USED IN HUMAN SUBJECTS.**

## RELATED PRODUCTS:

### Apoptosis Detection Kits & Reagents

- Annexin V Kits & Bulk Reagents
- Caspase Assay Kits & Reagents
- Mitochondrial Apoptosis Kits & Reagents
- Nuclear Apoptosis Kits & Reagents
- Apoptosis Inducers & Apoptosis siRNA Vectors

### Cell Fractionation System

- Mitochondria/Cytosol/Nuclear Fractionation Kit
- Membrane Protein Extraction Kit
- Mammalian Cell Extraction Kit
- FractionPREP Fractionation System

### Cell Proliferation & Senescence

- Quick Cell Proliferation Assay Kit
- Senescence Detection Kit
- Fluorescence & Luminescence Cell Viability Assay Kits
- LDH-Cytotoxicity Assay Kit
- Live/Dead Cell Staining Kit

### Cell Damage & Repair

- HDAC & HAT Fluorometric & Colorimetric Assays & Drug Discovery Kits
- DNA Damage Quantification Kit
- Glutathione & Nitric Oxide Fluorometric & Colorimetric Assay Kits

### Signal Transduction

- cAMP & cGMP Assay Kits
- Akt & JNK Activity Assay Kits
- Beta-Secretase Activity Assay Kit

### Adipocyte & Lipid Transfer

- Recombinant Adiponectin, Resistin, Leptin, & Visfatin
- CETP & PLTP Activity Assays & Drug Discovery Kits
- Cholesterol, HDL/LDL, Triglyceride, & Glycerol Quantification Kits

### Metabolism Assays

- Glucose, Sucrose, Galactose, Maltose, Ribose, Fructose Assay Kits
- Lactate, Pyruvate, Glycogen, Ethanol, Uric Acid, Fatty Acid Assay Kits
- Hemin, Sarcosin, Creatinine, Creatine, Cholin, Ascorbic Acid Assay Kits
- Antioxidant, Amino Acid, ADP/ATP, NAD/NADH, NADP/NADPH Assay Kits

### Molecular Biology & Reporter Assays

- siRNA Vectors, Cloning Screening Kit, DNA Isolation Kit, DNA Ligation Kit
- Gel Staining/Destaining Kit,  $\beta$ -Galactosidase Staining Kit & Luciferase Assay Kit

### Growth Factors and Cytokines

### Quality Antibodies for Apoptosis and Signal Transduction Molecules

### Protein A/G/L & Conjugates

- Recombinant Protein A & Sepharose Beads
- Recombinant Protein G & Sepharose Beads
- Recombinant Protein L & Sepharose Beads
- Recombinant Protein A/G/L & Sepharose Beads
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