

Recombinant Protein A

CATALOG #:	6500-10	10 mg
	6500-25	25 mg
	6500-100	100 mg
	6500-1000	1 g
LOT #:	_____	
SOURCE:	<i>E. coli</i>	
SEQUENCE:	Amino acid 32-327 of the Staphylococcus aureus subsp. aureus. Protein A Ig binding domains with 6x His-tag on N-terminus. Gene Bank Accession Number YP_498670.	
PURITY:	≥99% by SDS-PAGE and HPLC analyses Endotoxin level is <0.1 EU/mg of Protein A.	
EXTINCTION COEFFICIENT:	7450 (at 280 nm)	
MOL. WEIGHT:	38.9 kDa	
FORM:	50 mg/ml in H ₂ O	
STORAGE CONDITIONS:	-20°C or below	
hIgG BINDING:	≥95%	
BIOBURDEN:	No organisms detected	

APPLICATION:

The recombinant Protein A is a genetically engineered protein containing five Ig-binding regions of protein A and 6x His-tag on N-terminus. Cell wall binding region, albumin binding region and other non-specific binding regions have been eliminated from the recombinant Protein A to ensure the maximum specific IgG binding. The 6x His-tag on N-terminus can be used for affinity purification or for protein A detection using anti-His-tag antibody. The recombinant Protein A is ideal for purification of polyclonal or monoclonal IgG antibodies.

Protein A binds to most human and mouse IgG subclasses (e.g., human IgG1, IgG2, IgG4; mouse IgG1, IgG2a, IgG2b, IgG3). It also binds to total IgG from cow, guinea pig, hamster, horse, pig, and rabbit. Protein A has little affinity to chicken, goat, rat and sheep.

USAGE: For Research Purpose Only! Not to be used in humans.

WARRANTY: Warranty information can be found in www.biovision.com.

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