

Product information



Protein A, 37-469 aa

S.aureus, Recombinant, *E.coli*

Cat. No. IBATGP0304

Full name: Immunoglobulin G binding protein A

NCBI Accession No.: ACD80064

Description: Protein A is a 40-60 kDa surface protein originally found in the cell wall of the bacteria *Staphylococcus aureus*. It binds with high affinity to human IgG1 and IgG2 as well as mouse IgG2a and IgG2b. Protein A binds with moderate affinity to human IgM, IgA and IgE as well as to mouse IgG3 and IgG1. Due to its affinity for the Fc region of many mammalian immunoglobulins, protein A is considered a universal reagent in biochemistry and immunology. Recombinant *Staphylococcus aureus* Protein A was expressed in *E.coli* and purified by using conventional chromatography.

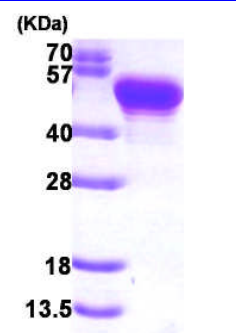
Form: Liquid. In 20 mM Tris-HCl buffer (pH 8.0) containing 10% glycerol,

Molecular Weight: 48.1 kDa (434aa)

Purity: > 90% by SDS - PAGE

Concentration: 1 mg/ml (determined by BCA assay)

Endotoxin Level: < 1.0 EU per 1 µg of protein (determined by LAL method)



15% SDS-PAGE (3ug)

Sequences of amino acids:

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MAQHDEAQQN AFYQVLNMPN LNADQRNGF I QSLKDDPSQS ANVLGEAQL NDSQAPKADA QQNNFNKDQQ SAFYE I LNMP NLNEAQRNGF
I QSLKDDPSQ STNVLGEAKK LNESQAPKAD NNFNKEQQNA FYE I LNMPNL NEEQRNGF I Q SLKDDPSQSA NLLSEAKKLN ESQAPKADNK
FNKEQQNAFY E I LHLPLNLE EQRNGF I QSL KDDPSQSANL LAEAKKL NDA QAPKADNKFN KEQQNAFY E I LHLPLNLT EEQ RNGF I QSLKD
DPSVSKE I LA EAKKL NDAQA PKEEDNNKPG KEDNNKPGKE DNNKPGKEDG NKPGKEDNKK PGKEDNKKPG KEDNKKPGKE DGNKPGKEDN
KKPGKEDGNG VHVVKPGDTV NDI AKANGTT ADK I AADNKL ADKNM I KPGQ ELVVDKKQPA NHADANKAQA LPET
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General references:

Guirnalda P., et al. (2007) *Int J Parasitol.* **37**(12):1391-9.

Volpers C., et al. (2003) *J Virol.* **77**(3):2093-104.

WARNING: THIS PRODUCT IS NOT INTENDED OR APPROVED FOR HUMAN, DIAGNOSTICS OR VETERINARY USE. USE OF THIS PRODUCT FOR HUMAN OR ANIMAL TESTING IS EXTREMELY HAZARDOUS AND MAY RESULT IN DISEASE, SEVERE INJURY, OR DEATH.

Product information



Storage: Can be stored at +4°C short term (1-2 weeks). For long term storage, aliquot and store at -20°C or -70°C. Avoid repeated freezing and thawing cycles.

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