

Protein A (FITC)

Cat. No. GTX30958

Applications	ICC/IF, FCM
Species	Staphylococcus aureus

Package
1 ml

PRODUCT

Summary

Protein A (MW 42 kDa) is capable of binding to the Fc portion of immunoglobulins, especially IgGs, from a large number of species. One protein A molecule has been shown to bind at least 2 molecules of IgG simultaneously. The IgG binding domain of Protein A consists of three anti-parallel α -helices, the third of which is disrupted when the protein is complexed with the Fc region of the immunoglobulins. Protein A will bind the Fc portion of human IgG subclasses, IgM, IgA and IgE; and mouse IgG1 (weakly), IgG2a, and IgG2b. Protein A also binds IgGs from other species, including monkey, rabbit, pig, guinea pig, dog, and cat. Fluorophore: Fluorescein isothiocyanate A max=492nm; E=520nm, Fluorophore/Protein: A492nm/A280nm=2.

Applications

Application Note

*Optimal dilutions/concentrations should be determined by the researcher.

Suggested dilution	Recommended dilution
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ICC/IF	Assay dependent
FCM	Assay dependent

Not tested in other applications.

Properties

Form	Liquid
Buffer	10mM Phosphate, 150mM NaCl, 1% BSA
Preservative	0.05% Sodium azide
Storage	Store as concentrated solution. Centrifuge briefly prior to opening vial. Store at 4°C.
Region/Sequence	Native Protein
Expression System	Native Protein
Conjugation	Fluorescein isothiocyanate (FITC) Wavelength

Note

For laboratory research use only. Not for any clinical, therapeutic, or diagnostic use in humans or animals. Not for animal or human consumption.

Purchasers shall not, and agree not to enable third parties to, analyze, copy, reverse engineer or otherwise attempt to determine the structure or sequence of the product.



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