

Protein A (FITC)

Cat. No. GTX30958

Applications	ICC/IF, FCM	Package 1 ml
Species	Staphylococcus aureus	

PRODUCT

Summary

Protein A (MW 42 kDa) is capable of binding to the Fc portion of immunoglobulins, especially lgGs, from a large number of species. One protein A molecule has been shown to bind at least 2 molecules of lgG simultaneously. The lgG binding domain of Protein A consists of three anti-parallel α -helicies, 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 lgG subclasses, lgM, lgA and lgE; and mouse lgG1 (weakly), lgG2a, and lgG2b. Protein A also binds lgGs 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
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.	
Note	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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