abcam

Product datasheet

FITC Anti-Protein L antibody ab63504

Overview

Product name	FITC Anti-Protein L antibody
Description	FITC Chicken polyclonal to Protein L
Host species	Chicken
Conjugation	FITC. Ex: 493nm, Em: 528nm
Tested applications	**Suitable for:** IHC-Fr
Species reactivity	**Reacts with:** Finegoldia magna
Immunogen	Purified recombinant protein L.
General notes	The Life Science industry has been in the grips of a reproducibility crisis for a number of years. Abcam is leading the way in addressing this with our range of recombinant monoclonal antibodies and knockout edited cell lines for gold-standard validation. Please check that this product meets your needs before purchasing. If you have any questions, special requirements or concerns, please send us an inquiry and/or contact our Support team ahead of purchase. Recommended alternatives for this product can be found below, along with publications, customer reviews and Q&As

Properties

Form	Liquid
Storage instructions	Shipped at 4°C. Store at +4°C.
Storage buffer	Preservative: 0.05% Sodium azide Constituents: PBS, 50% Glycerol (glycerin, glycerine)
Purity	IgY fraction
Clonality	Polyclonal
Isotype	IgY

Applications

The Abpromise guarantee	Our **Abpromise guarantee** covers the use of ab63504 in the following tested applications.

The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

Application	Abreviews	Notes
IHC-Fr		1/500 - 1/1000.

Target

Relevance

Protein L is a 36,000 dalton immunoglobulin-binding protein isolated from the bacteria Peptostreptococcus magnus. Unlike Protein A and Protein G, which bind to the Fc region of immunoglobulins (antibodies), Protein L binds antibodies through light chain interactions. Since no part of the heavy chain is involved in the binding interaction, Protein L binds a wider range of antibody classes than Protein A or G. Protein L binds to representatives of all antibody classes, including IgG, IgM, IgA, IgE and IgD. Single chain variable fragments (ScFv) and Fab fragments also bind to Protein L. Despite this wide binding range, Protein L is not a universal antibody-binding protein. Protein L binding is restricted to those antibodies that contain kappa light chains and it is only effective in binding certain subtypes of kappa light chains - about 65% of human immunoglobulins carry kappa light chains. Given these specific requirements for effective binding, the main application for immobilized Protein L is purification of monoclonal antibodies from ascites or cell culture supernatant that are known to have the kappa light chain. Protein L is extremely useful for purification of VLkappa-containing monoclonal antibodies from culture supernatant because it does not bind bovine immunoglobulins, which are often present in the media as a serum supplement. Also, Protein L does not interfere with the antigen-binding site of the antibody, making it useful for immunoprecipitation assays, even using IgM.

Cellular localization

Cell surface

Our Abpromise to you: Quality guaranteed and expert technical support

- Replacement or refund for products not performing as stated on the datasheet
- Valid for 12 months from date of delivery
- Response to your inquiry within 24 hours
- We provide support in Chinese, English, French, German, Japanese and Spanish
- Extensive multi-media technical resources to help you
- We investigate all quality concerns to ensure our products perform to the highest standards

If the product does not perform as described on this datasheet, we will offer a refund or replacement. For full details of the Abpromise, please visit **https://www.abcam.com/abpromise** or contact our technical team.

Terms and conditions

- Guarantee only valid for products bought direct from Abcam or one of our authorized distributors