

Product datasheet

Anti-Fluorescein antibody ab6644

Overview

Product name	Anti-Fluorescein antibody
Description	Goat polyclonal to Fluorescein
Host species	Goat
Tested applications	Suitable for: ELISA, IHC-Fr
Species reactivity	Reacts with: Species independent
Immunogen	Fluorescein conjugated to Goat IgG

Properties

Form	Liquid
Storage instructions	Shipped at 4°C. Store at +4°C short term (1-2 weeks). Upon delivery aliquot. Store at -20°C or -80°C. Avoid freeze / thaw cycle.
Storage buffer	pH: 7.20 Preservative: 0.01% Sodium azide Constituents: 0.42% Potassium phosphate, 0.87% Sodium chloride
Purity	Immunogen affinity purified
Purification notes	This product was prepared from monospecific antiserum by immunoaffinity chromatography using Fluorescein IgG coupled to agarose beads followed by solid phase adsorption(s) to remove any unwanted reactivities.
Clonality	Polyclonal
Isotype	IgG

Applications

Our [Abpromise guarantee](#) covers the use of **ab6644** 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
ELISA		1/5000 - 1/25000.
IHC-Fr		1/250 - 1/1500.

Target

Relevance

Fluorescein is a fluorophore commonly used to label proteins - protein-fluorescein conjugates are not usually susceptible to precipitation. In addition to its relatively high absorptivity, excellent fluorescence quantum yield and good water solubility, fluorescein has an excitation maximum of 494 nm that closely matches the 488 nm spectral line of the argon-ion laser, making it an important fluorophore for confocal laser-scanning microscopy and flow cytometry applications. Its fluorescence is pH sensitive and is significantly reduced below pH 7. Fluorescein emits most strongly between 500 and 550 nm, but it has a relatively broad emission spectrum reaching to over 600 nm. Several derivatives of fluorescein are commonly used, including FITC (fluorescein isothiocyanate), carboxylates and succinimidyl esters.

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