abcam

Product datasheet

Anti-Fluorescein antibody [4-4-20 (enhanced)] ab206515



1 Image

Overview

Product name Anti-Fluorescein antibody [4-4-20 (enhanced)]

Description Rabbit monoclonal [4-4-20 (enhanced)] to Fluorescein

Host species Rabbit

Specificity This antibody recognizes Fluorescein labelled proteins.

Tested applications Suitable for: WB, Flow Cyt

Species reactivity Reacts with: Species independent

Immunogen Chemical/ Small Molecule corresponding to Fluorescein conjugated to Bovine Serum Albumin

(BSA). Fluorescein I-bovine serum albumin (FII-BSA).

General notes This is a chimeric antibody created as part of a panel offering antibodies of the same specificity

in different formats (species, isotype, subtype and modified versions) for use as isotype controls.

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 long

term. Avoid freeze / thaw cycle.

Storage buffer Preservative: 0.02% Proclin 300

Constituent: 99% PBS

Purity Protein A purified

Clonality Monoclonal

Clone number 4-4-20 (enhanced)

lsotype lgG **Light chain type** kappa

Applications

The Abpromise guarantee Our Abpromise guarantee covers the use of ab206515 in the following tested applications.

1

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

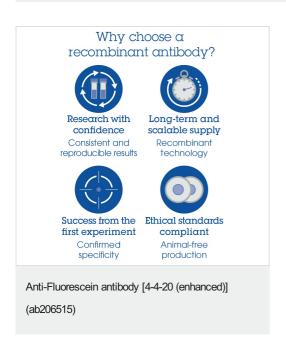
Application	Abreviews	Notes
WB		Use at an assay dependent concentration.
Flow Cyt		Use at an assay dependent concentration.

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.

Images



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