

Product datasheet

Biotin Anti-Fluorescein antibody [BT.6A4] ab6215

1 References

Overview

Product name	Biotin Anti-Fluorescein antibody [BT.6A4]
Description	Biotin Mouse monoclonal [BT.6A4] to Fluorescein
Host species	Mouse
Conjugation	Biotin
Specificity	The antibody reacts with free and bound fluorescein.
Tested applications	Suitable for: WB, ELISA, IHC-P, IHC-Fr, In situ hybridization
Species reactivity	Reacts with: Species independent
General notes	<p>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.</p> <p>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</p>

Properties

Form	Liquid
Storage instructions	Shipped at 4°C. Store at +4°C short term (1-2 weeks). Store at -20°C or -80°C. Avoid freeze / thaw cycle.
Storage buffer	<p>pH: 7.40</p> <p>Preservative: 0.01% Thimerosal (merthiolate)</p> <p>Constituents: PBS, 50% Glycerol, 1% BSA</p>
Purification notes	Purified anti-fluorescein biotin conjugate.
Clonality	Monoclonal
Clone number	BT.6A4
Myeloma	unknown
Isotype	IgM
Light chain type	kappa

Applications

The Abpromise guarantee Our [Abpromise guarantee](#) covers the use of ab6215 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
WB		1/500 - 1/5000.
ELISA		1/1000 - 1/10000.
IHC-P		1/200 - 1/2000.
IHC-Fr		1/200 - 1/2000.
In situ hybridization		Use at an assay dependent dilution.

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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