

ABfinity™ FITC Recombinant Rabbit Monoclonal Antibody

Store at 2°C to 8°C (short-term), or -20°C (long-term)

Catalog Number: 701078

Pub. No. MAN0009914 Rev. 2.00

Clonality: Monoclonal	Quantity: 100 µg	Volume: 200 µL	Concentration: 0.5 mg/mL
Host/Class: Rabbit IgG	Reactivity: FITC		

Product description

Fluorescein isothiocyanate is a fluorescein derived reagent having an isothiocyanate functional group attached to the core ring structure. FITC is one of the most popular reagents for fluorescent labeling of biomolecules and is used mainly in immunofluorescence studies. Anti-FITC antibodies serve the purpose of isolating the FITC labeled cells using magnetic microbeads based sorting as well as removal of background signal.

Product specifications

Immunogen:	FITC conjugated to KLH
Alternate Names:	Fluorescein-5-isothiocyanate
Apparent MW:	~0.4 kDa kDa
Clone/PAD:	6HC5LC9
Isotype:	IgG
Lot:	See product label

Product applications

Application	Species	Test Material	Concentration
Quenching assay	—	FITC conjugated goat anti-mouse IgG	1.2 x 10 ⁻² to 50 µg/mL

Because conditions may vary, it is recommended that each investigator determine the optimal amount of antibody to be used for each application.

Storage and handling

Store the antibody at 2°C to 8°C for up to 1 month, or -20°C for long-term storage. Avoid repeated freezing and thawing.

Stability

When stored as instructed, expires one year from date of receipt unless otherwise indicated on product label.

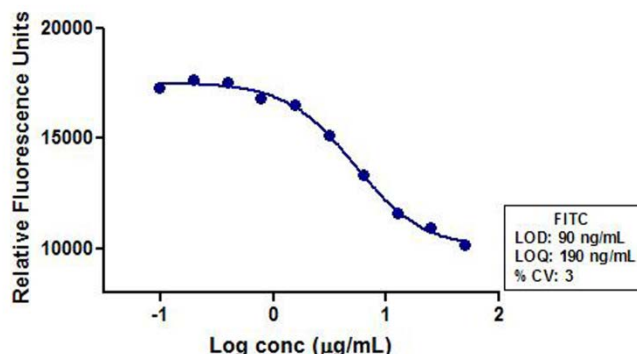


Figure 1 Quenching assay analysis of ABfinity™ FITC Recombinant Rabbit Monoclonal Antibody (Cat. no. 701078). Quenching analysis was performed using various dilutions of ABfinity™ FITC Recombinant Rabbit Monoclonal Antibody (Cat. no. 710083) against a goat anti-mouse IgG-FITC conjugate to detect the effect on fluorescence signal (excitation 485, emission 535 nm). A non-linear regression analysis (4 PL) was performed and LOD and LOQ for the antibody was determined.

Storage buffer

Phosphate buffered saline (PBS) with 0.09% sodium azide.



CAUTION! Sodium azide is extremely toxic and may react with lead and copper plumbing to form highly explosive metal azides. Properly dispose of solutions containing sodium azide. Read the Safety Data Sheet (SDS) and follow the handling instructions. Wear appropriate protective eyewear, clothing, and gloves. SDSs are available at www.lifetechnologies.com/support.

Product documentation

To obtain a Certificate of Analysis or Safety Data Sheets (SDSs), visit www.lifetechnologies.com/support.

Related products

Product Name	Quantity	Cat. No.
WesternBreeze® Chromogenic Kit Anti-Rabbit	1 kit	WB7105
WesternBreeze® Chemiluminescent Kit Anti-Rabbit	1 mg	WB7106
Goat anti-mouse (H+L), HRP conj.	1 mg	G21040
Goat anti-rabbit (H+L), HRP conj.	1 mg	G21234
Goat anti-mouse (H+L), AP conj.	1 mg	G21060
Goat anti-rabbit (H+L), AP conj.	1 mg	G21079
Streptavidin Agarose	5 mL	SA10004








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Explanation of symbols

Symbol	Description	Symbol	Description	Symbol	Description
	Manufacturer		Catalog number		Batch code
	Use by		Temperature limitation		
	Consult instructions for use		Caution, consult accompanying documents		

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