

ABfinity™ Alexa Fluor® 488 Recombinant Rabbit Oligoclonal Antibody

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

Catalog Number: 710369

Pub. No. MAN0007441 Rev. 1.00

Clonality: Oligoclonal	Quantity: 100 µg	Volume: 200 µL	Concentration: 0.5 mg/mL
Host/Class: Rabbit IgG	Reactivity: Alexa Fluor® 488	Predicted Reactivity: Human	

Product Description

The Alexa Fluor® 488 dye possesses near identical spectral properties and quantum yield to fluorescein isothiocyanate (FITC), but produces brighter, more photostable conjugates. These conjugates are used for imaging and other applications requiring increased sensitivity without being overly impacted by environmental factors. The ABfinity™ Alexa Fluor® 488 Recombinant Rabbit Oligoclonal Antibody has a high affinity for the Alexa Fluor® 488 fluorophore, and quenches most of the fluorescence of the dye upon binding.

Product Specifications

Immunogen:	Alexa Fluor® 488 dye conjugated to KLH
Sequence Identity:	Human
Clone/PAD:	15HCLC
Lot:	See product label

Product Applications

Application	Species	Test Material	Concentration
Quenching assay	Human	Alexa Fluor® 488 Goat-anti-mouse IgG	9.7 × 10 ⁻² to 50 µg/ mL
Flow cytometry	Human	HeLa cells	1 × 10 ⁻⁶ cells to 1 µg/mL

Storage and Handling

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

Stability

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

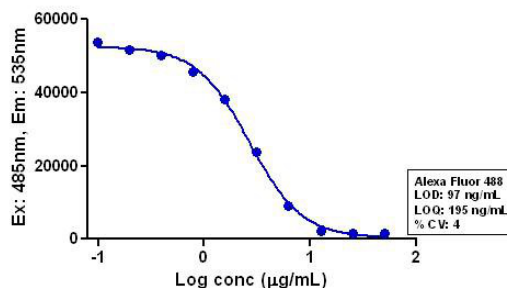


Figure 1

Figure 1 Quenching assay of ABfinity™ Alexa Fluor® 488 Recombinant Rabbit Oligoclonal Antibody (Cat. no. 710369).

Quenching analysis was performed using various dilutions of Alexa Fluor® 488 ABfinity™ Recombinant Rabbit Oligoclonal Antibody (Cat. no. 710369) to demonstrate quenching of fluorescence of Alexa Fluor® 488 conjugated goat anti-mouse IgG (excitation at 485 nm and emission at 535 nm).

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 Sheets (SDSs) and follow the handling instructions. Wear appropriate protective eyewear, clothing, and gloves. SDSs are available at www.lifetechnologies.com/support.

For research use only. Not for use in diagnostic procedures.

Manufacturing Site • 7335 Executive Way • Frederick • MD 21704 • E-mail: techsupport@lifetech.com

Product Documentation

To obtain a Certificate of Analysis or SDS, visit www.lifetechnologies.com/support.

Related Products

Product Name	Quantity	Catalog No.
iBlot® Dry Blotting System	1 unit	IB1001
WesternBreeze® Chromogenic Kit Anti-Rabbit	1 kit	WB7105
WesternBreeze® Chemiluminescent Kit, Anti-Rabbit	1 kit	WB7106

Limited Product Warranty

Life Technologies Corporation and/or its affiliate(s) warrant their products as set forth in the Life Technologies' General Terms and Conditions of Sale found on Life Technologies' website at www.lifetechnologies.com/termsandconditions. If you have any questions, please contact Life Technologies at www.lifetechnologies.com/support.

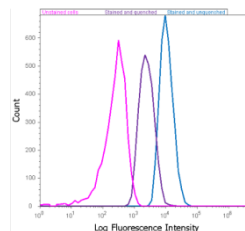


Figure 2 Flow cytometry analysis of HeLa cells labeled with MMP16 and Alexa Fluor® 488 goat anti-rabbit IgG, quenched with ABfinity™ Alexa Fluor® 488 Recombinant Rabbit Oligoclonal Antibody (Cat. no. 710369).

Fixed and permeabilized HeLa cells were labeled with ABfinity™ MMP16 Recombinant Rabbit Oligoclonal Antibody, followed by Alexa Fluor® 488 goat anti-rabbit IgG staining (right peak). Quenching was performed on labeled cells using ABfinity™ Alexa Fluor® 488 Recombinant Rabbit Oligoclonal Antibody (middle peak). An isotype control was performed to confirm specificity (left peak).

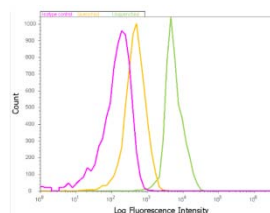


Figure 3 Flow cytometry analysis of HeLa cells labeled with sRAGE and Alexa Fluor® 488 goat anti-rabbit IgG, quenched with ABfinity™ Alexa Fluor® 488 Recombinant Rabbit Oligoclonal Antibody (Cat. no. 710369).

Fixed and permeabilized HeLa cells were labeled with ABfinity™ sRAGE Recombinant Rabbit Oligoclonal Antibody, followed by Alexa Fluor® 488 goat anti-rabbit IgG staining (right peak). Quenching was performed on labeled cells using ABfinity™ Alexa Fluor® 488 Recombinant Rabbit Oligoclonal Antibody (middle peak). An isotype control was performed to confirm specificity (left peak).

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		

Limited Use Label License No. 327: Recombinant Antibody Technology

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