

ABfinity™ FGFR4 Recombinant Rabbit Monoclonal Antibody

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Rev. 1.00

Catalog Number: 701179

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

Clonality: Monoclonal
Concentration: 0.5 mg/mL
Quantity: 100 µg
Volume: 200 µL

Host/Class: Rabbit IgG
Reactivity: Human FGFR4
Predicted Reactivity: Human

Product Description

FGFR4 (Fibroblast Growth Factor Receptor 4), is a member of the FGFR family of receptor tyrosine kinases. This family regulates a host of cellular functions including angiogenesis, mitogenesis, osteogenesis, myogenesis, carcinogenesis, cellular differentiation, and tissue repair after injury. The FGFR4 protein interacts with specific growth factors to conduct signals from the environment outside the cell to the nucleus. FGFR4 gene plays a role in the development and maintenance of foveal cones in the light-sensitive layer of the retina.

Product Specifications

Immunogen: Recombinant protein corresponding to amino acids 22–141 of human FGFR4
Alternate Names: FGFR4, TKF, JTK2
Apparent MW: ~88 kDa
Gene ID: 2264
Protein Accession No.: P22455
Sequence Identity: Human
Sequence Homology: Mouse, Rat, Rabbit, Horse
Clone/PAD: 14H10L9
Lot: See product label

Product Applications

Application	Species	Test Material	Concentration
Western blotting	Human	MCF7 cells	1–3 µg/mL
Indirect ELISA	Human	Recombinant protein	1.5 x 10 ⁻⁴ to 3 µg/mL

Storage and Handling

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

Stability

Expires one year from date of receipt when stored as instructed.

Storage Buffer

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

Caution: Sodium azide is an extremely toxic and dangerous compound particularly when combined with acids or metals. Properly dispose of solutions containing sodium azide.

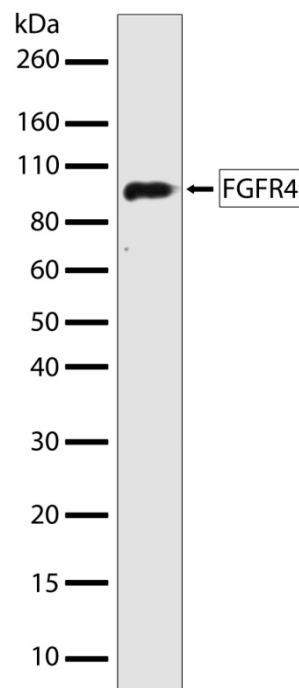


Figure 1 Western blot analysis of ABfinity™ FGFR4 Recombinant Rabbit Monoclonal Antibody (Cat. no. 701179). Western blot analysis was performed on MCF7 whole cell extracts. Endogenous FGFR4 at ~88 kDa was detected using ABfinity™ FGFR4 Recombinant Rabbit Monoclonal Antibody at a concentration of 1 µg/mL. The blot was developed using chemiluminescence (ECL) method.

For research use only. Not for human or animal therapeutic or diagnostic use.

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

Product Documentation

To obtain a Certificate of Analysis or Safety Data Sheets (SDSs), 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
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
Nitrocellulose, 0.2 µm	20/pack	LC2000

Explanation of symbols

Symbol	Description	Symbol	Description
	Catalogue Number		Batch code
	Research Use Only		In vitro diagnostic medical device
	Use by		Temperature limitation
	Manufacturer		European Community authorised representative
	Without, does not contain		With, contains
	Protect from light		Consult accompanying documents
	Directs the user to consult instructions for use (IFU), accompanying the product.		

Limited Product Warranty

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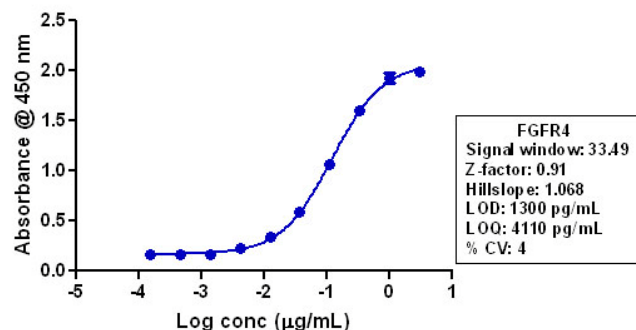


Figure 2 Indirect ELISA of ABfinity™ FGFR4 Recombinant Rabbit Monoclonal Antibody (Cat. no. 701179). Indirect ELISA was performed using various dilutions of ABfinity™ FGFR4 Recombinant Rabbit Monoclonal Antibody (Cat. no. 701179) to detect recombinant FGFR4 protein coated onto the plate. A non-linear regression analysis was performed (4 PL) and LOD and LOQ for the antibody was determined.

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