

## FAK ABfinity™ Recombinant Rabbit Monoclonal Antibody – Purified

Publication Part no. MAN0005058

Rev. Date: 15 September 2011

Catalog Number: 701094

Store at 2–8°C

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

**Host/Class:** Rabbit IgG  
**Reactivity:** Human FAK1  
**Predicted Reactivity:** Human

### Product Description

Focal Adhesion Kinase (FAK) is a 125 kDa non-receptor protein tyrosine kinase that acts as a substrate for Src, and is a key element of integrin signaling. FAK plays a central role in cell spreading, differentiation, migration, cell death, and acceleration of the G1 to S phase transition of the cell cycle. Regulation of FAK includes phosphorylation at multiple tyrosine and serine residues. Increased FAK tyrosine phosphorylation occurs upon integrin engagement with fibronectin.

### Product Specifications

**Immunogen:** Recombinant protein corresponding to amino acids 853–1052 of human FAK1  
**Alternate Names:** PTK2  
**Apparent MW:** ~125 kDa  
**Gene ID:** 5747  
**Protein Accession No.:** Q05397  
**Sequence Identity:** Human  
**Sequence Homology:** Mouse  
**Clone/PAD:** 5H18L19  
**Lot:** See product label

### Product Applications

Application	Species	Test Material	Concentration
Western blotting	Human	Jurkat and K562 cells	1–3 µg/mL
Indirect ELISA	Human	Recombinant protein	1.5 × 10 <sup>-4</sup> to 3 µg/mL

### Storage and Handling

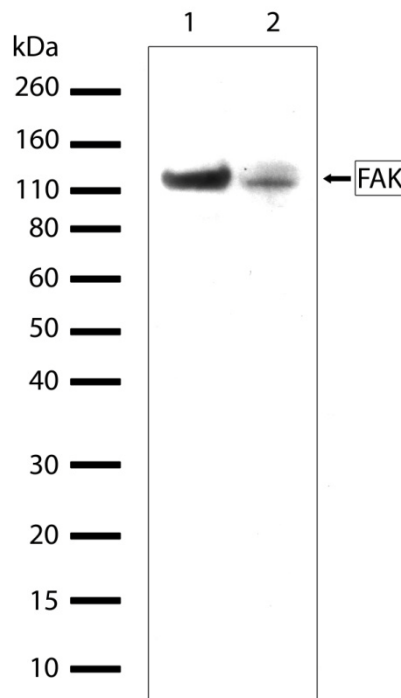
Store the antibody at 2–8°C for up to 1 month, or –20°C for long storage. Avoid repeated freezing and thawing.

### Stability

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

### Storage Buffer

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



**Figure 1** Western blot analysis of FAK ABfinity™ Recombinant Rabbit Monoclonal Antibody (Cat. no. 701094). Western blot analysis was performed on whole cell extracts of Jurkat (lane 1) and K562 (lane 2) cell lines. Endogenous FAK protein was detected at ~125 kDa using FAK ABfinity™ Recombinant Rabbit Monoclonal Antibody at a concentration of 1 µg/mL.

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

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## Safety Data Sheets (SDS)

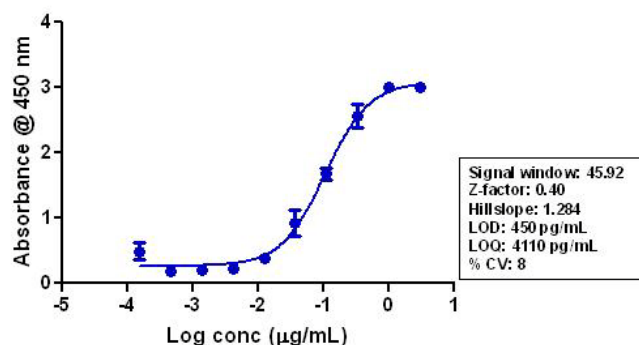
Safety Data Sheets (SDSs) are available at [www.invitrogen.com/sds](http://www.invitrogen.com/sds).

## Certificate of Analysis

The Certificate of Analysis provides detailed quality control and product qualification information for each product. Certificates of Analysis are available on our website. Go to [www.invitrogen.com/support](http://www.invitrogen.com/support) and search for the Certificate of Analysis by product lot number, which is printed on the box.

## 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



**Figure 2** Indirect ELISA of FAK ABfinity™ Recombinant Rabbit Monoclonal Antibody (Cat. no. 701094). Indirect ELISA was performed using various dilutions of FAK ABfinity™ Recombinant Rabbit Monoclonal Antibody (Cat. no. 701094) to detect recombinant FAK protein coated onto the plate. A non-linear regression analysis was performed (4 PL) and LOD and LOQ for the antibody was determined.

### 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.		

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