

## FAK Monoclonal Antibody

### Description

<b>Product type</b>	Primary Antibody
<b>Code</b>	BT-MCA0526
<b>Host</b>	Mouse
<b>Isotype</b>	IgG
<b>Size</b>	50ul, 100ul
<b>Immunogen</b>	Purified recombinant fragment of human FAK expressed in E. Coli.
<b>Mol wt</b>	N/A
<b>Species reactivity</b>	Human
<b>Clonality</b>	Monoclonal
<b>Recommended application</b>	WB, IF, ICC, FCM, ELISA
<b>Concentration</b>	1 mg/ml
<b>Full name</b>	Focal adhesion kinase 1
<b>Synonyms</b>	PTK2; FAK; FAK1; Focal adhesion kinase 1; FADK 1; Focal adhesion kinase-related nonkinase; FRNK; Protein phosphatase 1 regulatory subunit 71; PPP1R71; Protein-tyrosine kinase 2; p125FAK; pp125FAK

**This product is for research use only, not for use in human, therapeutic or diagnostic procedure.**

### Background

This gene encodes a cytoplasmic protein tyrosine kinase which is found concentrated in the focal adhesions that form between cells growing in the presence of extracellular matrix constituents. The encoded protein is a member of the FAK subfamily of protein tyrosine kinases but lacks significant sequence similarity to kinases from other subfamilies. Activation of this gene may be an important early step in cell growth and intracellular signal transduction pathways triggered in response to certain neural peptides or to cell interactions with the extracellular matrix. Several transcript variants encoding different isoforms have been found for this gene, but the full-length natures of only four of them have been determined.

### Recommended Dilution

ELISA: 1:10000

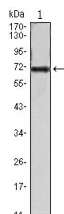
FC: 1:200 - 1:400

IF: 1:200 - 1:1000

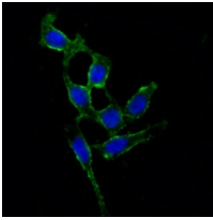
WB: 1:500 - 1:2000

Not yet tested in other applications.

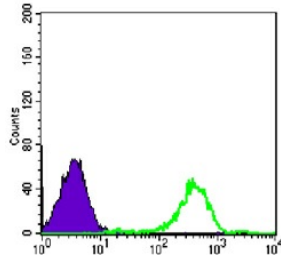
### Images



Western Blot analysis using FAK Monoclonal antibody against FAK-hIgGfc transfected HEK293 cell lysate.



Immunofluorescence analysis of A549 cells using FAK Monoclonal antibody (green). Blue: DRAQ5 fluorescent DNA dye.



Flow cytometric analysis of Raji cells using FAK Monoclonal antibody (green) and negative control (purple).

### Storage

-20°C for one year

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