

For Research Use Only

# CoraLite®555-conjugated FAK Monoclonal antibody



Catalog Number:CL555-66258

Featured Product

## Basic Information

Catalog Number: CL555-66258	GenBank Accession Number: BC028733	Purification Method: Protein A purification
Size: 100ul , Concentration: 1000 µg/ml by Nanodrop;	GeneID (NCBI): 5747	CloneNo.: 2C5B9
Source: Mouse	Full Name: PTK2 protein tyrosine kinase 2	Recommended Dilutions: IF 1:50-1:500
Isotype: IgG2c	Calculated MW: 1052 aa, 119 kDa	Excitation/Emission maxima wavelengths: 555 nm / 570 nm
Immunogen Catalog Number: AG17966	Observed MW: 110 kDa	

## Applications

Tested Applications: IF	Positive Controls: IF : A549 cells, HUVEC cells
Species Specificity: human, mouse, rat	

## Background Information

FAK (Focal adhesion kinase 1) is also named as FAK1, FADK, pp125FAK, FAK and belongs to the protein kinase superfamily. It is a critical tyrosine kinase that modulates cell adhesion, migration, proliferation and survival in response to extracellular signals (PMID:19664602). It also acts as a pivotal signal 'integrator', controlling and coordinating cellular responses that include cell migration, survival, proliferation and, epithelial tissue repair after DNA damage (PMID:20966971). This protein has some isoforms produced by alternative promoter usage and alternative splicing, and the range of the molecular weights are 100-120kD and 40-60kD.

## Storage

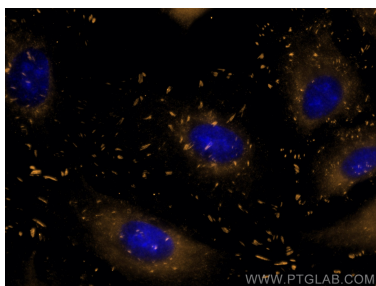
**Storage:**  
Store at -20°C. Avoid exposure to light.  
**Storage Buffer:**  
PBS with 50% Glycerol, 0.05% Proclin300, 0.5% BSA, pH 7.3.  
**Aliquoting is unnecessary for -20°C storage**

\*\*\* 20ul sizes contain 0.1% BSA

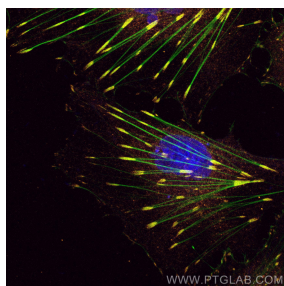
For technical support and original validation data for this product please contact:  
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)  
E: [proteintech@ptglab.com](mailto:proteintech@ptglab.com)  
W: [ptglab.com](http://ptglab.com)

This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

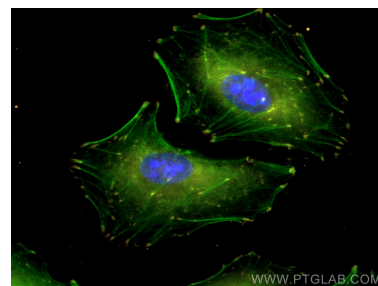
## Selected Validation Data



Immunofluorescent analysis of (-20°C Methanol) fixed A549 cells using CoraLite®555 FAK antibody (CL555-66258, Clone: 2C5B9) at dilution of 1:200.



Immunofluorescent analysis of (4% PFA) fixed HUVEC cells using CoraLite®555 FAK antibody (CL555-66258, Clone: 2C5B9) at dilution of 1:200, CL488-Phalloidin (green).



Immunofluorescent analysis of (-20°C Methanol) fixed A549 cells using CoraLite®555 FAK antibody (CL555-66258, Clone: 2C5B9) at dilution of 1:200, CoraLite®488 Beta Actin antibody (CL488-66009, Clone: 2D4H5, green).