# CoraLite® Plus 488-conjugated FAK Monoclonal antibody

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Antibodies | ELISA kits | Proteins
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Catalog Number:CL488-66258    **Featured Product**

## Basic Information

**Catalog Number:**
CL488-66258

**Size:**
100ul , Concentration: 1000 μg/ml by
Nanodrop;

**Source:**
Mouse

**Isotype:**
IgG2c

**Immunogen Catalog Number:**
AG17966

**GenBank Accession Number:**
BC028733

**GeneID (NCBI):**
5747

**Full Name:**
PTK2 protein tyrosine kinase 2

**Calculated MW:**
1052 aa, 119 kDa

**Observed MW:**
110 kDa

**Purification Method:**
Protein A purification

**CloneNo.:**
2C5B9

**Recommended Dilutions:**
IF 1:50-1:500

**Excitation/Emission maxima
wavelengths:**
488 nm / 515 nm

## Applications

**Tested Applications:**
IF

**Species Specificity:**
human, mouse, rat

**Positive Controls:**
IF : A549 cells,

## 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.
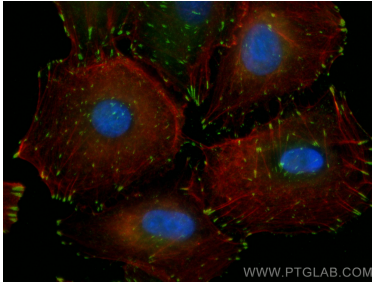
## Storage

**Storage:**
Store at -20℃. 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
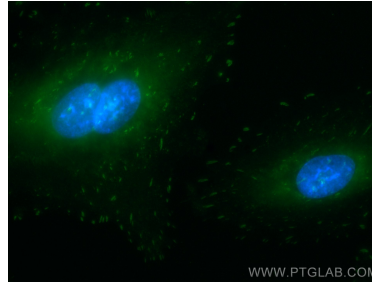
**\*\*\* 20ul sizes contain 0.1% BSA**

# Selected Validation Data



Immunofluorescent analysis of (-20°C Methanol) fixed A549 cells using CoraLite® Plus 488 FAK antibody (CL488-66258, Clone: 2C5B9 ) at dilution of 1:200, CoraLite®594 Beta Actin antibody (CL594-66009, Clone: 2D4H5, red).



Immunofluorescent analysis of (-20°C Methanol) fixed A549 cells using CoraLite® Plus 488 FAK antibody (CL488-66258, Clone: 2C5B9 ) at dilution of 1:200.