

For Research Use Only

# CoraLite® Plus 488-conjugated FBXO6 Monoclonal antibody



Catalog Number:CL488-67697

## Basic Information

<b>Catalog Number:</b> CL488-67697	<b>GenBank Accession Number:</b> BC020880	<b>Purification Method:</b> Protein A purification
<b>Size:</b> 100ul , Concentration: 1000 µg/ml by Nanodrop;	<b>GeneID (NCBI):</b> 26270	<b>CloneNo.:</b> 3B7F9
<b>Source:</b> Mouse	<b>Full Name:</b> F-box protein 6	<b>Excitation/Emission maxima wavelengths:</b> 488 nm / 515 nm
<b>Isotype:</b> IgG2b	<b>Calculated MW:</b> 293 aa, 34 kDa	
<b>Immunogen Catalog Number:</b> AG30512	<b>Observed MW:</b> 34 kDa	

## Applications

**Tested Applications:**  
FC (Intra)

**Species Specificity:**  
Human, mouse, rat

## Background Information

FBXO6(F-box only protein 6 ) is also named as FBG2, FBS2, FBX6 and belongs to the F-box protein family. FBXO6 is the substrate recognition component of a Skp1-Cullin1-F-box protein (SCF) ubiquitin E3 ligase complex, recognizing the chitobiose in unfolded N-glycoprotein to target glycoproteins for polyubiquitination and degradation. It can regulate Chk1 ubiquitination and degradation in both normally cycling cells and during replication stress. This protein is mainly detected in the cytoplasm in both cultured cells and in tumor tissues. Its expression is a predictive biomarker of tumor responsiveness to the important anticancer drugs. Positive Fbxo6 expression correlated with early TNM stage and favorable prognosis of NSCLC patients. (PMID:19716789, PMID: 27855403, PMID: 31140586).

## Storage

**Storage:**  
Store at -20°C. Avoid exposure to light. Stable for one year after shipment.

**Storage Buffer:**  
PBS with 50% Glycerol, 0.05% Proclin300, 0.5% BSA, pH 7.3.

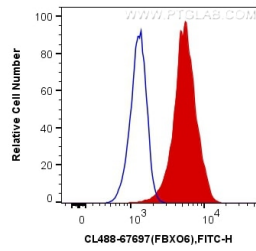
Aliquoting is unnecessary for -20°C storage

\*\*\* 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 W: ptglab.com

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

## Selected Validation Data



1X10<sup>6</sup> Jurkat cells were intracellularly stained with 0.4 ug CoraLite® Plus 488 Anti-Human FBXO6 (CL488-67697, Clone:3B7F9) (red), or 0.4 ug Mouse IgG2b Isotype Control (CL488-66360-3, Clone: K11B8C4B5) (blue). Cells were fixed with 4% PFA and permeabilized with Flow Cytometry Perm Buffer (PF00011-C).