

For Research Use Only

# CoraLite® Plus 488-conjugated HK3 Monoclonal antibody



Catalog Number: **CL488-67803**

## Basic Information

<b>Catalog Number:</b> CL488-67803	<b>GenBank Accession Number:</b> BC028129	<b>Purification Method:</b> Protein G purification
<b>Size:</b> 100ul , Concentration: 1000 µg/ml by Nanodrop;	<b>GeneID (NCBI):</b> 3101	<b>CloneNo.:</b> 3H3C7
<b>Source:</b> Mouse	<b>UNIPROT ID:</b> P52790	<b>Recommended Dilutions:</b> IF/ICC 1:50-1:500
<b>Isotype:</b> IgG1	<b>Full Name:</b> hexokinase 3 (white cell)	<b>Excitation/Emission maxima wavelengths:</b> 493 nm / 522 nm
<b>Immunogen Catalog Number:</b> AG30798	<b>Calculated MW:</b> 923 aa, 99 kDa	
	<b>Observed MW:</b> 99 kDa	

## Applications

<b>Tested Applications:</b> IF/ICC, FC (Intra)	<b>Positive Controls:</b> IF/ICC : HeLa cells,
<b>Species Specificity:</b> human, mouse, rat, pig	

## Background Information

Hexokinases phosphorylate glucose to produce glucose-6-phosphate (G6P), the first step in most glucose metabolism pathways. Hexokinase 3 also known as HK3, similar to hexokinases 1 and 2, this allosteric enzyme is inhibited by its product glucose-6-phosphate.

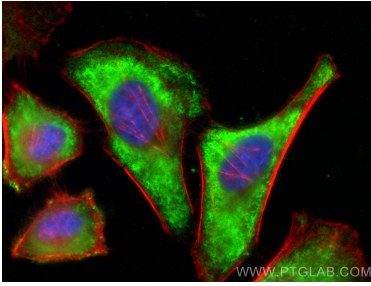
## Storage

**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**

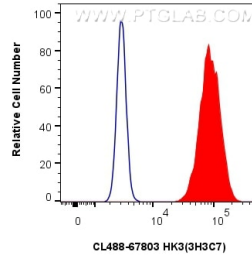
For technical support and original validation data for this product please contact:  
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)  
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## Selected Validation Data



Immunofluorescent analysis of (-20°C Ethanol) fixed HeLa cells using Coralite® Plus 488 HK3 antibody (CL488-67803, Clone: 3H3C7 ) at dilution of 1:200, CL594-Phalloidin (red).



1x10<sup>6</sup> HeLa cells were intracellularly stained with 0.4 ug Coralite® Plus 488 HK3 Monoclonal Antibody (CL488-67803, Clone:3H3C7)(red), or 0.4 ug Coralite® Plus 488 Mouse IgG1 Isotype Control (MOPC-21) (CL488-65124, Clone: MOPC-21) (blue). Cells were fixed with 4% PFA and permeabilized with Flow Cytometry Perm Buffer (PF00011-C).