

For Research Use Only

# CoraLite® Plus 488-conjugated ARL8B Monoclonal antibody



Catalog Number: **CL488-67891**

## Basic Information

<b>Catalog Number:</b> CL488-67891	<b>GenBank Accession Number:</b> BC013131	<b>Purification Method:</b> Protein A purification
<b>Size:</b> 1000 µg/ml	<b>GeneID (NCBI):</b> 55207	<b>CloneNo.:</b> 2G10E2
<b>Source:</b> Mouse	<b>UNIPROT ID:</b> Q9NVJ2	<b>Excitation/Emission maxima wavelengths:</b> 493 nm / 522 nm
<b>Isotype:</b> IgG2a	<b>Full Name:</b> ADP-ribosylation factor-like 8B	
<b>Immunogen Catalog Number:</b> AG3711	<b>Calculated MW:</b> 186 aa, 22 kDa	
	<b>Observed MW:</b> 22 kDa	

## Applications

**Tested Applications:**  
FC (Intra)

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

## Background Information

ARL8B (ADP-ribosylation factor-like 8B), also known as ARL10C or GIE1, is a small GTPase of the Arl-family, that is associated with the lysosome. ARL8A interacts with Tubulin, and plays a role in lysosome motility, as well as in chromosomal segregation. ARL8B plays a role in the spatial distribution and positioning of lysosomes. ARL8B is regarded as a regulator of endosome to lysosome trafficking pathways of special significance for host defense.

## 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**

For technical support and original validation data for this product please contact:

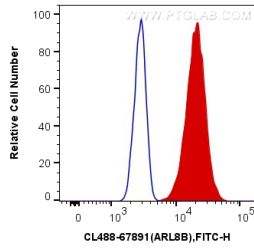
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## Selected Validation Data



1X10<sup>6</sup> HeLa cells were intracellularly stained with 0.4 ug CoraLite® Plus 488 Anti-Human ARL8B (CL488-67891, Clone:2G10E2) (red), or 0.4 ug Mouse IgG2a Isotype Control (CL488-66360-2, Clone: K11A1B2A2) (blue). Cells were fixed with 4% PFA and permeabilized with Flow Cytometry Perm Buffer (PF00011-C).