

For Research Use Only

# CoraLite® Plus 488-conjugated MRPS25 Monoclonal antibody



Catalog Number: **CL488-67903**

## Basic Information

<b>Catalog Number:</b> CL488-67903	<b>GenBank Accession Number:</b> BC003590	<b>Purification Method:</b> Protein A purification
<b>Size:</b> 100ul , Concentration: 1000 µg/ml by Nanodrop;	<b>GeneID (NCBI):</b> 64432	<b>CloneNo.:</b> 3B10B6
<b>Source:</b> Mouse	<b>UNIPROT ID:</b> P82663	<b>Excitation/Emission maxima wavelengths:</b> 493 nm / 522 nm
<b>Isotype:</b> IgG2b	<b>Full Name:</b> mitochondrial ribosomal protein S25	
<b>Immunogen Catalog Number:</b> AG7846	<b>Calculated MW:</b> 20 kDa	
	<b>Observed MW:</b> 20 kDa	

## Applications

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

## Background Information

Mitochondrial ribosomal protein S25 (MRPS25) belongs to the ribosomal protein S25/L51 family. It is a component of the mitochondrial ribosome small subunit (28S). The variant segregated with the disease and substitutes a highly conserved proline residue with leucine (p.P72L) that, based on the high-resolution structure of the 28S ribosome, is predicted to compromise inter-protein contacts and destabilize the small subunit.

## 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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