

For Research Use Only

# CoraLite® Plus 488-conjugated LIN28A Monoclonal antibody

Catalog Number:CL488-60344



## Basic Information

<b>Catalog Number:</b> CL488-60344	<b>GenBank Accession Number:</b> BC028566	<b>Purification Method:</b> Protein G purification
<b>Size:</b> 1000 ug/ml	<b>GeneID (NCBI):</b> 79727	<b>CloneNo.:</b> 4F5G6
<b>Source:</b> Mouse	<b>UNIPROT ID:</b> Q9H9Z2	<b>Recommended Dilutions:</b> IF-P 1:50-1:500
<b>Isotype:</b> IgG1	<b>Full Name:</b> lin-28 homolog (C. elegans)	<b>Excitation/Emission maxima wavelengths:</b> 493 nm / 522 nm
<b>Immunogen Catalog Number:</b> AG2312	<b>Calculated MW:</b> 209 aa, 23 kDa	
	<b>Observed MW:</b> 28 kDa	

## Applications

<b>Tested Applications:</b> IF-P	<b>Positive Controls:</b> IF-P: human prostate cancer tissue,
<b>Species Specificity:</b> human	

## Background Information

LIN28 is one of the four key human factors (OCT4, SOX2, NANOG and LIN28) used to reprogram human fibroblasts to an embryonic stem (ES) cell-like state known as the induced pluripotent stem (Ips) cell. Lin28 is a marker of undifferentiated human embryonic stem cells and a cytoplasmic Mrna-binding protein that binds to and enhances the translation of the IGF2 Mrna. LIN28 has also been shown to bind to the let-7 pre-miRNA and block production of the mature let-7 microRNA in mouse embryonic stem cells. The calculated molecular weight of LIN28 is 23 kDa, but the modified LIN28 is about 28 kDa.

## 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:

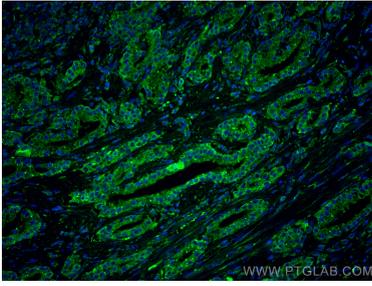
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This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

## Selected Validation Data



Immunofluorescent analysis of (4% PFA) fixed human prostate cancer tissue using CoraLite® Plus 488 LIN28 antibody (CL488-60344, Clone: 4F5G6) at dilution of 1:200.