

For Research Use Only



# CoraLite® Plus 488-conjugated Alpha-2-Macroglobulin Monoclonal antibody

Catalog Number: **CL488-66126**

## Basic Information

<b>Catalog Number:</b> CL488-66126	<b>GenBank Accession Number:</b> BC040071	<b>Purification Method:</b> Protein A purification
<b>Size:</b> 1000 µg/ml	<b>GeneID (NCBI):</b> 2	<b>CloneNo.:</b> 4B11F7
<b>Source:</b> Mouse	<b>UNIPROT ID:</b> P01023	<b>Recommended Dilutions:</b> IF 1:50-1:500
<b>Isotype:</b> IgG2a	<b>Full Name:</b> alpha-2-macroglobulin	<b>Excitation/Emission maxima wavelengths:</b> 493 nm / 522 nm
<b>Immunogen Catalog Number:</b> AG19245	<b>Calculated MW:</b> 1474 aa, 163 kDa	

## Applications

<b>Tested Applications:</b> IF/ICC	<b>Positive Controls:</b> IF : HepG2 cells,
<b>Species Specificity:</b> human	

## Background Information

alpha-2-macroglobulin, also known as  $\alpha$  2-macroglobulin ( $\alpha$  2M and A2M), is a protein abundant in the plasma of vertebrates and several invertebrates. A2M is an evolutionarily conserved arm of the innate immune system. It also mediates the proliferation of T cells and macrophages. A2M acts as a nonspecific protease inhibitor involved in the host defense mechanism that inactivates both endogenous and exogenous proteases, including trypsin, thrombin and collagenase. Even though A2M is produced predominantly by the liver, it may also be expressed in the reproductive tract, heart, and brain, and may have important roles in many physiological processes and medical illnesses including Alzheimer's disease.

## 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:

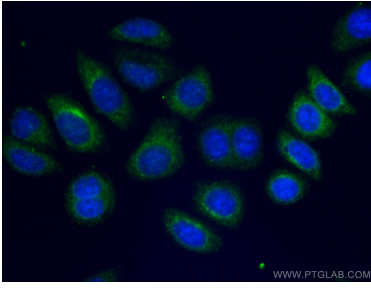
T: 4006900926

E: [Proteintech-CN@ptglab.com](mailto:Proteintech-CN@ptglab.com)

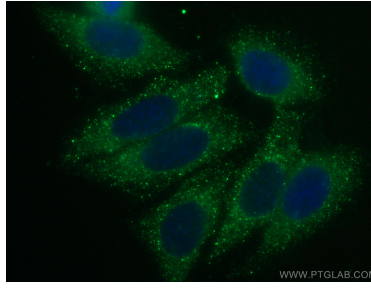
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## Selected Validation Data



Immunofluorescent analysis of (-20°C Ethanol) fixed HepG2 cells using CL488-66126 (Alpha-2-macroglobulin antibody) at dilution of 1:100.



Immunofluorescent analysis of (-20°C Ethanol) fixed HepG2 cells using CoraLite® Plus 488 Alpha-2-Macroglobulin antibody (CL488-66126, Clone: 4B11F7) at dilution of 1:200.