For Research Use Only

CoraLite® Plus 647-conjugated Alpha-2-Macroglobulin Recombinant monoclonal antibody

Catalog Number:CL647-84347-5

proteintech®
Antibodies | ELISA kits | Proteins
www.ptglab.com

Basic Information

Catalog Number:
CL647-84347-5

Size:
100ul , Concentration: 1000 ug/ml by Nanodrop;

Source:
Rabbit

Isotype:
IgG

Immunogen Catalog Number:
EG1198

GenBank Accession Number:
NM_000014.6

GeneID (NCBI):
2

UNIPROT ID:
P01023

Full Name:
alpha-2-macroglobulin

Calculated MW:
163kDa

Observed MW:
185 kDa

Purification Method:
Protein A purification

CloneNo.:
241649D2

Recommended Dilutions:
IF/ICC: 1:50-1:500
FC (Intra): 0.8 ug per 10^6 cells in a 100 µl suspension

Excitation/Emission maxima wavelengths:
654 nm / 674 nm

Applications

Tested Applications:
IF/ICC, FC (Intra)

Species Specificity:
human

Positive Controls:

IF/ICC : HepG2 cells,

FC (Intra) : HepG2 cells,

Background Information

Alpha-2-Macroglobulin, also known as α2-macroglobulin (α2M or 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.

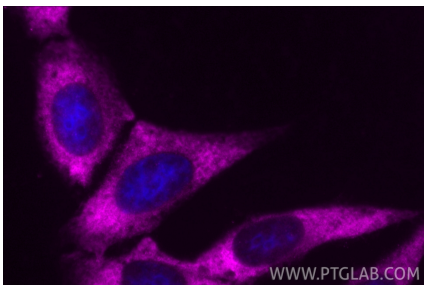
Storage

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, pH7.3
Aliquoting is unnecessary for -20°C storage

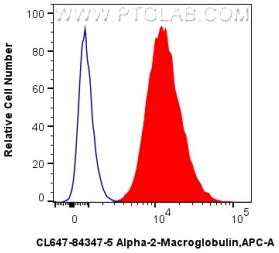
For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)
E: proteintech@ptglab.com
W: ptglab.com

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 HepG2 cells using CoraLite® Plus 647 Alpha-2-Macroglobulin antibody (CL647-84347-5, Clone: 241649D2) at dilution of 1:200.



1x10^6 HepG2 cells were intracellularly stained with 0.8 ug CoraLite® Plus 647-conjugated Alpha-2-Macroglobulin Recombinant monoclonal antibody (CL647-84347-5, Clone:241649D2)(red), or 0.8 ug Isotype Control (blue). Cells were fixed and permeabilized with Intracellular Flow Cytometry Fixation & Permeabilization Buffer Kit (PF00019).