

CoraLite®594-conjugated Alpha-2-Macroglobulin Monoclonal antibody

Catalog Number: **CL594-66126**

Basic Information

Catalog Number: CL594-66126	GenBank Accession Number: BC040071	Purification Method: Protein A purification
Size: 1000 µg/ml	GeneID (NCBI): 2	CloneNo.: 4B11F7
Source: Mouse	UNIPROT ID: P01023	Recommended Dilutions: IF/ICC 1:50-1:500
Isotype: IgG2a	Full Name: alpha-2-macroglobulin	Excitation/Emission maxima wavelengths: 588 nm / 604 nm
Immunogen Catalog Number: AG19245	Calculated MW: 1474 aa, 163 kDa	

Applications

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

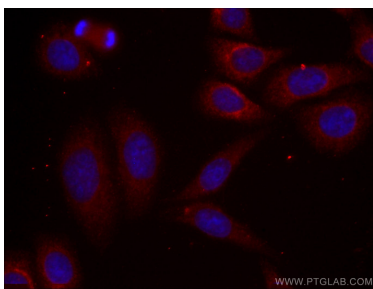
Background Information

alpha-2-macroglobulin, also known as α 2-macroglobulin (α 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

Selected Validation Data



Immunofluorescent analysis of (-20°C Ethanol) fixed HepG2 cells using CL594-66126 (Alpha-2-macroglobulin antibody) at dilution of 1:100.