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

Catalog Number:CL594-66126

| Basic Information | Catalog Number: | GenBank Accession Number: | Purification Method: <br> Protein A purification |
| :--- | :--- | :--- | :--- |
|  | CL594-66126 | BCo40071 | CloneNo.: |
|  | Size: | GeneID (NCBI): | 4B11F7 |
|  | $1000 \mu \mathrm{~g} / \mathrm{ml}$ | Source: | UNIPROT ID: |

## Background Information

alpha-2-macroglobulin, also known as a 2-macroglobulin ( a 2 M 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:
Store at $-20^{\circ} \mathrm{C}$. 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 $-20^{\circ} \mathrm{C}$ storage

Immunofluorescent analysis of ( $-20^{\circ} \mathrm{C}$ Ethanol) fixed HepG2 cells using CL594-66126 (Alpha-2macroglobulin antibody) at dilution of 1:100.

