

Product Information

Anti- α -2-Macroglobulin
antibody produced in chicken,
affinity isolated antibody

Catalog Number **GW20008F**

Formerly listed as GenWay Catalog Number 15-288-20008F,
Alpha-2-macroglobulin Antibody.

Storage Temperature Store at -20°C

Synonyms: Alpha-2-macroglobulin [validated] - human,
Alpha-2-M

Product Description

Is able to inhibit all four classes of proteinases by a unique 'trapping' mechanism. This protein has a peptide stretch called the 'bait region' which contains specific cleavage sites for different proteinases. When a proteinase cleaves the bait region, a conformational change is induced in the protein which traps the proteinase. The entrapped enzyme remains active against low molecular weight substrates (activity against high molecular weight substrates is greatly reduced). Following cleavage in the bait region a thioester bond is hydrolyzed and mediates the covalent binding of the protein to the proteinase.

NCBI Accession number: MAHU

Swiss Prot Accession number: P01023

Gene Information: Human .. A2M (2)

Immunogen: Recombinant protein Alpha-2-macroglobulin [validated] - human

Immunogen Sequence: GI # 68765, sequence 1 - 1474

The product is a clear, colorless solution in phosphate buffered saline, pH 7.2, containing 0.02% sodium azide.

Species Reactivity: Human, mouse, rat

Tested Applications: ELISA, WB

Recommended Dilutions: Recommended starting dilution for Western blot analysis is 1:500, for tissue or cell staining 1:200.

Note: Optimal concentrations and conditions for each application should be determined by the user.

Precautions and Disclaimer

This product is for R&D use only, not for drug, household, or other uses. Due to the sodium azide content a material safety data sheet (MSDS) for this product has been sent to the attention of the safety officer of your institution. Please consult the Material Safety Data Sheet for information regarding hazards and safe handling practices.

Storage/Stability

For continuous use, store at $2-8^{\circ}\text{C}$ for up to one week. For extended storage, store in -20°C freezer in working aliquots. Repeated freezing and thawing, or storage in "frostfree" freezers, is not recommended. If slight turbidity occurs upon prolonged storage, clarify the solution by centrifugation before use. Working dilution samples should be discarded if not used within 12 hours.

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