

## Product datasheet for **BP611**

### alpha 2 Macroglobulin (A2M) Sheep Polyclonal Antibody

#### Product data:

Product Type:	Primary Antibodies
Applications:	ELISA, IHC
Recommended Dilution:	Immunohistochemistry on frozen sections (1:20 - 1:200). ELISA.
Reactivity:	Human
Host:	Sheep
Clonality:	Polyclonal
Immunogen:	Native Alpha-2 Macroglobulin
Specificity:	This antibody detects alpha-2-Macroglobulin.
Formulation:	PBS, pH 7.2, 0.09 % Sodium Azide State: Ig Fraction State: Liquid Ig fraction
Concentration:	lot specific
Purification:	Ammonium Sulphate fractionation
Conjugation:	Unconjugated
Storage:	Store at 2 - 8 °C up to one week or (in aliquots) at -20 °C for longer. Centrifuge vial before opening. Avoid repeated freezing and thawing.
Stability:	Shelf life: one year from despatch.
Gene Name:	alpha-2-macroglobulin
Database Link:	<a href="#">Entrez Gene 2 Human P01023</a>



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**Background:**

Alpha 2 macroglobulin is a serum protein which is mainly synthesised in the liver. It functions as a broad range irreversible proteinase inhibitor that forms a "trap" around most proteases. Alpha 2 macroglobulin is a tetrameric molecule, and with a molecular weight of 720 kDa, it is so large a molecule that it tends to remain intravascular. Following conformational change the proteinase is deposited within a central cavity where it is still active but prevented from further contact with its substrate. Removal of the complex is mediated by the generation of recognition sites which react with receptors on a variety of cells including macrophages and liver cells. Alpha 2 macroglobulin is localized on the surface of peripheral blood lymphocytes.

**Synonyms:**

Alpha-2-M, CPAMD5, Alpha 2 macroglobulin