

Product datasheet for **BM585PS**

alpha 2 Macroglobulin (A2M) Mouse Monoclonal Antibody [Clone ID: 2N1/10]

Product data:

Product Type:	Primary Antibodies
Clone Name:	2N1/10
Applications:	ELISA, R
Recommended Dilution:	ELISA. Radioimmunoassays.
Reactivity:	Human
Host:	Mouse
Isotype:	IgG1
Clonality:	Monoclonal
Immunogen:	Purified alpha-2 macroglobulin from human plasma.
Specificity:	This antibody recognises alpha 2-macroglobulin, a tetrameric glycoprotein of 720 kDa which functions as a proteinase inhibitor.
Formulation:	PBS containing 0.09% Sodium azide State: Purified State: Liquid purified IgG
Concentration:	lot specific
Purification:	DEAE-chromatography
Conjugation:	Unconjugated
Storage:	Store undiluted at 2-8°C for one month or (in aliquots) at -20°C for longer. Avoid repeated freezing and thawing.
Stability:	Shelf life: one year from despatch.
Gene Name:	alpha-2-macroglobulin
Database Link:	Entrez Gene 2 Human P01023



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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