Alpha-2-Macroglobulin Antibody

Mouse Monoclonal Antibody [Clone A2M/8037]

Catalog No	Format	Size
2-MSM17-P0	Purified Ab with BSA and Azide at 200ug/ml	20 ug
2-MSM17-P1	Purified Ab with BSA and Azide at 200ug/ml	100 ug
2-MSM17-P1ABX	Purified Ab WITHOUT BSA or Azide at 1.0mg/ml	100 ug

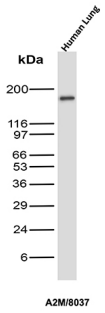
Applications	Tested Dillution	Note
Immunohistochemistry (IHC)	1-2ug/ml	30 min at RT. Staining of formalin-fixed tissues requires heating tissue sections in 10mM Tris with 1mM EDTA, pH 9.0, for 45 min at 95°C followed by cooling at RT for 20 minutes
Western Blot (WB)	2-4ug/ml	

Product Details

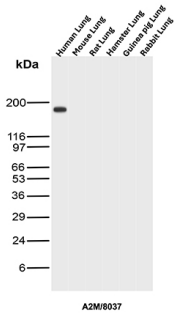
Clone	A2M/8037
Immunogen	Recombinant human A2M protein
Host	Mouse
Clonality	Monoclonal
Isotype / Light Chain	IgG1 / Kappa
Mol. Weight of Antigen	163.29kDa
Cellular Localization	Secreted
Species Reactivity	Human
Positive Control	Secreted in plasma

**Optimal dilution for a specific application should be determined.*

Product Images for Alpha-2-Macroglobulin Antibody



Western blot analysis of human lung tissue lysates using A2M Mouse Monoclonal Antibody (A2M/8037).



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Specificity & Comments

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.

Supplied As

200ug/ml of Ab purified from Bioreactor Concentrate by Protein G. Prepared in 10mM PBS with 0.05% BSA & 0.05% azide. Also available WITHOUT BSA & azide at 1.0mg/ml.

Storage and Stability

Antibody with azide - store at 2 to 8 °C. Antibody without azide - store at -20 to -80 °C. Antibody is stable for 24 months. Non-hazardous. No MSDS required.

Limitations and Warranty

This antibody is available for research use only and is not approved for use in diagnosis.There are no warranties, expressed or implied, which extend beyond this description. Company is not liable for any personal injury or economic loss resulting from this product.