

Mouse Anti-Human Proteinase Inhibitor 9 Clone PI9-17 mAb

Catalog No.	MON2065	Quantity:	1 ml
Description:	Anti-Human Proteinase Inhibitor 9, Clone PI9-17 Monoclonal Antibody		
Concentration:	~ 250 µg/ml		
Specificity:	The human intracellular serpin proteinase inhibitor 9 (PI9) is the only human protein able to inhibit the activity of the serine protease granzyme B. Granzyme B is expressed by cytotoxic lymphocytes and induces rapid target cell apoptosis. PI9-17 mAb was selected after immunization with full length recombinant PI9 produced in Escherichia coli. No cross reactivity with other homologous serpins (PI6, PI8 and PAI-2) was observed.		
Host:	Mouse		
Isotype:	IgG1		
Clone:	PI9-17		
Formulation:	1 ml vial (>200 tests) containing antibody in serum free culture supernatant, with 0.7% BSA and 0.1% sodium azide.		
Applications:	The antibody can be used for immunocytochemistry and Western blotting.		
Application Notes:	<p>Immunocytochemistry: PI9 can be used on formaldehyde-fixed paraffin-embedded human tissues after pretreatment with 10 mM citric acid pH 6.0 for 20 min (use approx 1:100).</p> <p>For fixed cytopsin preparations fix cells for 10 min in 10% formalin and then treat them as paraffin sections.</p> <p>The mAb can be used in standard Western blot procedures.</p> <p>It detects native PI9 (42 kD) as well as PI9 complexed to granzyme B (67 kD). As a positive control for PI9, YT-Indy cells (a natural killer leukemia cell line) can be used. In other cell lines a non-specific protein band around 63 kD can be detected.</p> <p>The optimal concentration should be determined by the user for each specific application.</p>		
Storage & Stability:	Store at 2- 4°C. For extended storage, freeze at -20°C. Avoid repeated freeze-thaw cycles.		

NOT FOR HUMAN USE. FOR RESEARCH ONLY. NOT FOR DIAGNOSTIC OR THERAPEUTIC USE.

