

## SERPINB9

### Mouse Anti-Human Proteinase Inhibitor 9 (Clone PI9-17) mAb

<b>Catalog No.</b>	MON2065	<b>Quantity:</b>	1 ml
<b>Alternate Names:</b>	Serpine B9, Cytoplasmic antiproteinase 3, CAP-3, Peptidase Inhibitor 9, PI-9		
<b>Description:</b>	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 <i>Escherichia coli</i> . No cross reactivity with other, homologous serpins (PI6, PI8 and PAI-2) was observed.		
<b>Concentration:</b>	approximately 0.25 mg/ml		
<b>Gene ID:</b>	5272		
<b>UniProt ID:</b>	P50453		
<b>Specificity:</b>	Proteinase Inhibitor 9		
<b>Host:</b>	Mouse		
<b>Immunogen:</b>	Full length recombinant PI9 expressed in <i>E. coli</i>		
<b>Isotype:</b>	IgG1		
<b>Clone:</b>	PI9-17		
<b>Formulation:</b>	1 ml vial (>200 tests) containing antibody (~250 µg/ml) in serum free culture supernatant, with 0.7% BSA and 0.1% sodium azide.		
<b>Cross-Reactivity:</b>	No cross reactivity with other homologous serpins (PI6, PI8 and PAI-2) was observed.		
<b>Applications:</b>	WB, ICC		
<b>Application Notes:</b>	<b>Immunocytochemistry:</b> starting dilution 1:100 with FFPE human tissues after pretreatment with 10 mM citric acid pH 6.0 for 20 min For fixed cytospin preparations fix cells for 10 min in 10% formalin and then treat them as paraffin sections. <b>Western blot:</b> 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. The optimal concentration should be determined by the user for each specific application.		
<b>Storage &amp; Stability:</b>	Store at 2- 8°C until expiration date.		

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

