



SERPINB5 peptide (DAG-P1771)

This product is for research use only and is not intended for diagnostic use.

PRODUCT INFORMATION

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| Antigen Description | Tumor suppressor. It blocks the growth, invasion, and metastatic properties of mammary tumors. As it does not undergo the S (stressed) to R (relaxed) conformational transition characteristic of active serpins, it exhibits no serine protease inhibitory activity. |
| Specificity | Normal mammary epithelial cells. |
| Purity | > 95 % by SDS-PAGE. |
| Conjugate | Unconjugated |
| Applications | WB, ELISA |
| Sequence Similarities | Belongs to the serpin family. Ov-serpin subfamily. |
| Format | Liquid |
| Buffer | Preservative: None Constituents: 0.001% Tween 20, 30mM HEPES, 2mM EDTA, 150mM Sodium chloride, pH 6.75 |
| Preservative | None |
| Storage | Shipped at 4°C. Upon delivery aliquot and store at -20°C. Avoid freeze / thaw cycles. Preservative: None Constituents: 0.001% Tween 20, 30mM HEPES, 2mM EDTA, 150mM Sodium chloride, pH 6.75 |

GENE INFORMATION

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| Gene Name | SERPINB5 serpin peptidase inhibitor, clade B (ovalbumin), member 5 [Homo sapiens (human)] |
| Official Symbol | SERPINB5 |

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| Synonyms | SERPINB5; serpin peptidase inhibitor, clade B (ovalbumin), member 5; PI5; maspin; serpin B5; PI-5; peptidase inhibitor 5; protease inhibitor 5 (maspin); serine (or cysteine) proteinase inhibitor, clade B (ovalbumin), member 5; |
| Entrez Gene ID | 5268 |
| mRNA Refseq | NM_002639.4 |
| Protein Refseq | NP_002630.2 |
| UniProt ID | P36952 |
| Chromosome Location | 18q21.33 |
| Pathway | ATF-2 transcription factor network, organism-specific biosystem; Direct p53 effectors, organism-specific biosystem; MicroRNAs in cancer, organism-specific biosystem; MicroRNAs in cancer, conserved biosystem; p53 signaling pathway, organism-specific biosystem; p53 signaling pathway, conserved biosystem; |
| Function | protein binding; serine-type endopeptidase inhibitor activity; |
