



Anti-SERPINA4 monoclonal antibody, clone 300020 (DCABY-4205)

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

PRODUCT INFORMATION

Antigen Description	The human serpin superfamily consists of at least 35 members that target not only serine proteases, but also selected cysteine proteases and non-protease proteins. Serpins bind the protease active site resulting in a major conformational rearrangement that traps the enzyme in a covalent acyl-enzyme intermediate. As protease inhibitors, serpins have an array of functions including regulating blood clotting, the complement pathway, extracellular matrix remodeling, and cell motility. They are also involved in activities that extend beyond their ability to inhibit proteases. For instance, they may also regulate blood pressure, angiogenesis, or act as storage/transport proteins.
Specificity	Detects human SerpinA4/Kallistatin in ELISAs. In sandwich immunoassays, no cross-reactivity with recombinant human Serpin A1, A3, A5, C1, D1, E1, E2, F2, or G1 is observed.
Immunogen	Mouse myeloma cell line NS0-derived recombinant human Serpin A4/Kallistatin. Leu22-Pro427 Accession Number AAA59454
Isotype	IgG1
Source/Host	Mouse
Species Reactivity	Human
Clone	300020
Purification	Protein A or G purified from hybridoma culture supernatant
Conjugate	Unconjugated
Applications	ELISA Capture (Matched Pair)
Format	Liquid

Size	500 µg
Buffer	Lyophilized from a 0.2 µm filtered solution in PBS with Trehalose.
Preservative	None
Storage	Use a manual defrost freezer and avoid repeated freeze-thaw cycles. 12 months from date of receipt, -20 to -70 °C as supplied. 1 month, 2 to 8 °C under sterile conditions after reconstitution. 6 months, -20 to -70 °C under sterile conditions after reconstitution.

GENE INFORMATION

Gene Name	SERPINA4 serpin peptidase inhibitor, clade A (alpha-1 antiproteinase, antitrypsin), member 4 [Homo sapiens (human)]
Official Symbol	SERPINA4
Synonyms	SERPINA4; serpin peptidase inhibitor, clade A (alpha-1 antiproteinase, antitrypsin), member 4; KAL; KST; PI4; KLST; PI-4; kallistatin; kallistatin; serpin A4; kallikrein inhibitor; peptidase inhibitor 4; protease inhibitor 4 (kallistatin); serine (or cyst
Entrez Gene ID	5267
Protein Refseq	NP_001275961
UniProt ID	P29622
Chromosome Location	14q32.13
Function	serine-type endopeptidase inhibitor activity;