



Mouse Anti-Human Cystatin E/M monoclonal antibody, clone 322626 (CABT-L3175)

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

PRODUCT INFORMATION

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| Specificity | Detects human Cystatin E/M in direct ELISAs and Western blots. In direct ELISAs and Western blots, no cross-reactivity with recombinant human (rh) Cystatins A, B, C, S, SA, SN, rhFetuin A, B, rhHRGP, or rhKininogen is observed. |
| Target | Human Cystatin E/M |
| Immunogen | Mouse myeloma cell line NS0-derived recombinant human Cystatin E/M, Arg29-Met149 |
| Isotype | IgG2B |
| Source/Host | Mouse |
| Species Reactivity | Human |
| Clone | 322626 |
| Purification | Protein A or G purified from hybridoma culture supernatant |
| Conjugate | Unconjugated |
| Applications | WB, IP, IHC, Neut |
| Reconstitution | Reconstitute at 0.5 mg/mL in sterile PBS. |
| Format | Lyophilized |
| Size | 100 µg, 500 µg |
| Buffer | Lyophilized from a 0.2 µm filtered solution in PBS with Trehalose. |
| Preservative | None |

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| Storage | Long time storage is recommended at -20°C. |
| Ship | Wet ice |

BACKGROUND

Introduction Cystatin E/M encoded by the CST6 gene is a member of family 2 of the cystatin superfamily. It inhibits papain and cathepsin B, two of the cysteine proteases. Its mRNA was found in many tissues by the two groups who did initial cloning. However, its protein was found only in skin and sweat glands by a third group. In addition to being a cysteine protease inhibitor, Cystatin E/M is also a substrate for transglutaminases. It is required for viability and for correct formation of cornified layers in the epidermis and hair follicles, as ichq mice, with a null mutation in the Cystatin E/M gene, have defects in epidermal cornification and die between 5 and 12 days of age. Cystatin E/M expression and function may not be limited to cutaneous epithelia. For example, it is found in rat brain and is induced during neuronal cell differentiation

Keywords CST6;cystatin 6;Cystatin E/M;cystatin M;cystatin M/E;Cystatin-6;cystatin-E;cystatin-M;cysteine proteinase inhibitor

GENE INFORMATION

Synonyms CST6; cystatin 6; Cystatin E/M; cystatin M; cystatin M/E; Cystatin-6; cystatin-E; cystatin-M; cysteine proteinase inhibitor

Entrez Gene ID [1474](#)