



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

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

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 <i>ichq</i> 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
