



Anti-GZMB monoclonal antibody, clone GB10 [Biotin] (CABT-52799MG)

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

PRODUCT INFORMATION

Product Overview Mouse anti Human granzyme B antibody, clone GB10 recognizes the serine protease Granzyme B, which is expressed within the granules of cytolytic lymphocytes (CTLs). Granzyme B plays a key role in the induction of apoptosis by CTLs. After delivery to the target cell Granzyme B activates the cascade of caspases that finally results in cell death. ELISA Mouse anti Human granzyme B antibody, clone GB10 has been reported to function as a detection reagent in sandwich ELISA assays for soluble Granzyme B in conjunction with clone GB11 used as a capture reagent.

Specificity	GZMB
Immunogen	Purified human Granzyme B.
Isotype	IgG1
Source/Host	Mouse
Species Reactivity	Human, Chimpanzee, Monkey, Rhesus monkey
Clone	GB10
Conjugate	Biotin
Applications	ELISA
Format	Purified IgG - liquid
Size	100 µg
Preservative	None
Storage	in frost-free freezers is not recommended. Avoid repeated freezing and thawing as this may

denature the antibody. Should this product contain a precipitate we recommend microcentrifugation before use.

GENE INFORMATION

Gene Name	GZMB granzyme B (granzyme 2, cytotoxic T-lymphocyte-associated serine esterase 1) [Homo sapiens (human)]
Official Symbol	GZMB
Synonyms	GZMB; granzyme B (granzyme 2, cytotoxic T-lymphocyte-associated serine esterase 1); HLP; CCPI; CGL1; CSPB; SECT; CGL-1; CSP-B; CTLA1; CTSG1; granzyme B; C11; CTLA-1; fragmentin 2; fragmentin-2; cathepsin G-like 1; human lymphocyte protein; T-cell serine
Entrez Gene ID	3002
Protein Refseq	NP_004122
UniProt ID	P10144
Chromosome Location	14q11.2
Pathway	Activation, myristoylation of BID and translocation to mitochondria; Allograft Rejection; Allograft rejection; Apoptosis; Autoimmune thyroid disease; Caspase cascade in apoptosis; Downstream signaling in naive CD8+ T cells; Graft-versus-host disease;
Function	protein binding; serine-type endopeptidase activity; serine-type peptidase activity;