



Anti-GZMB polyclonal antibody [Biotin] (DPABY-543)

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

PRODUCT INFORMATION

Antigen Description	Granzyme family serine proteases are stored in the granules of cytotoxic T lymphocytes and natural killer cells. Granzymes contain one S1 protease domain and are synthesized as preproteins. Granzymes are released toward pathogen infected or transformed target cells during cellular immune reactions. Target cell entry by granzymes is through perforin channels. Granzymes trigger apoptosis by caspase-dependent and -independent mechanisms. There are five granzymes (A, B, G, H and K) in human and many more in mouse and rat.
Specificity	Detects mouse Granzyme B in ELISAs and Western blots. In sandwich immunoassays, less than 1% cross-reactivity with recombinant human(rh)Granzyme A, rhGranzyme B, recombinant mouse (rm)Granzyme D, rmGranzyme G, and rhGranzyme H is observed.
Immunogen	Mouse myeloma cell line NS0-derived recombinant mouse Granzyme B. Lys17-Ser247 Accession Number P04187
Isotype	IgG
Source/Host	Goat
Species Reactivity	Mouse
Purification	Antigen Affinity-purified
Conjugate	Biotin
Applications	Western Blot, Immunocytochemistry, Immunohistochemistry, ELISA Detection (Matched Pair)
Format	Liquid
Size	50 µg
Buffer	Lyophilized from a 0.2 µm filtered solution in PBS with BSA as a carrier protein.

Preservative	None
Storage	<p>Use a manual defrost freezer and avoid repeated freeze-thaw cycles.</p> <p>12 months from date of receipt, -20 to -70 °C as supplied.</p> <p>1 month, 2 to 8 °C under sterile conditions after reconstitution.</p> <p>6 months, -20 to -70 °C under sterile conditions after reconstitution.</p>

GENE INFORMATION

Gene Name	Gzmb granzyme B [Mus musculus (house mouse)]
Official Symbol	GZMB
Synonyms	GZMB; granzyme B; GZB; CCP1; Ctla1; Ctla-1; AI553453; CCP-1/C11; granzyme B(G,H); fragmentin-2; cytotoxic cell protease 1;
Entrez Gene ID	14939
Protein Refseq	NP_038570
UniProt ID	P04187
Chromosome Location	14 D3; 14 28.19 cM
Pathway	Activation, myristoylation of BID and translocation to mitochondria; Allograft rejection; Apoptosis; Autoimmune thyroid disease; Graft-versus-host disease; Intrinsic Pathway for Apoptosis; NOTCH2 intracellular domain regulates transcription; Natural kille
Function	catalytic activity; hydrolase activity; peptidase activity; protein binding; serine-type endopeptidase activity; serine-type peptidase activity;