



# Human GZMB peptide (DAG-P1637)

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

## PRODUCT INFORMATION

<b>Antigen Description</b>	Cytolytic T lymphocytes (CTL) and natural killer (NK) cells share the remarkable ability to recognize, bind, and lyse specific target cells. They are thought to protect their host by lysing cells bearing on their surface nonself antigens, usually peptides or proteins resulting from infection by intracellular pathogens. The protein encoded by this gene is crucial for the rapid induction of target cell apoptosis by CTL in cell-mediated immune response. [provided by RefSeq, Jul 2008]
<b>Purity</b>	70 - 90% by HPLC.
<b>Conjugate</b>	Unconjugated
<b>Sequence Similarities</b>	Belongs to the peptidase S1 family. Granzyme subfamily. Contains 1 peptidase S1 domain.
<b>Format</b>	Liquid
<b>Preservative</b>	None
<b>Storage</b>	Shipped at 4°C. Upon delivery aliquot and store at -20°C or -80°C. Avoid repeated freeze / thaw cycles. Information available upon request.

## GENE INFORMATION

<b>Gene Name</b>	<a href="#">GZMB granzyme B (granzyme 2, cytotoxic T-lymphocyte-associated serine esterase 1) [ Homo sapiens (human) ]</a>
<b>Official Symbol</b>	GZMB
<b>Synonyms</b>	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 protease 1-3E; cytotoxic serine protease B; cytotoxic T-lymphocyte proteinase 2;

<b>Entrez Gene ID</b>	<a href="#">3002</a>
<b>mRNA Refseq</b>	<a href="#">NM_004131.4</a>
<b>Protein Refseq</b>	<a href="#">NP_004122.2</a>
<b>UniProt ID</b>	P10144
<b>Chromosome Location</b>	14q11.2
<b>Pathway</b>	Activation, myristoylation of BID and translocation to mitochondria, organism-specific biosystem; Allograft Rejection, organism-specific biosystem; Allograft rejection, organism-specific biosystem; Allograft rejection, conserved biosystem; Apoptosis, organism-specific biosystem; Apoptosis, organism-specific biosystem; Autoimmune thyroid disease, organism-specific biosystem; Autoimmune thyroid disease, conserved biosystem; Caspase cascade in apoptosis, organism-specific biosystem; Downstream sign
<b>Function</b>	protein binding; serine-type endopeptidase activity; serine-type endopeptidase activity; serine-type peptidase activity;