



Recombinant Protein Technical Manual

Recombinant Mouse Granzyme B(G,H)/GZMB Protein (His Tag) RPES0956

Product Data:

Product SKU: RPES0956

Size: 10µg

Species: Mouse

Expression host: Human Cells

Uniprot: P04187

Protein Information:

Molecular Mass: 26.5 kDa

AP Molecular Mass: 35 kDa

Tag: C-6His

Bio-activity:

Purity: > 85 % as determined by SDS-PAGE

Endotoxin: < 1.0 EU per µg as determined by the LAL method.

Storage: Store at < -20°C, stable for 6 months. Please minimize freeze-thaw cycles.

Shipping: This product is provided as liquid. It is shipped at frozen temperature with blue ice/gel packs. Upon receipt, store it immediately at < -20°C.

Formulation: Supplied as a 0.2 µm filtered solution of PBS, pH7.4.

Reconstitution: Please refer to the printed manual for detailed information.

Application:

Synonyms: Granzyme B(G;H);CTLA;Cytotoxic cell protease 1;CCP1;Fragmentin-2;Gzmb;Ctla; Ctla1

Immunogen Information:

Sequence: Gly19-Ser247

Background:

Granzyme B(GZMB) contains 1 peptidase S1 domain and belongs to the peptidase S1 family. This enzyme is necessary for target cell lysis in cell-mediated immune responses. It cleaves after Asp and seems to be linked to an activation cascade of caspases (aspartate-specific cysteine proteases) responsible for apoptosis execution. The protein cleaves caspase-3, -7, -9 and 10 to give rise to active enzymes mediating apoptosis.