



PRODUCT DATA SHEET

Product: Granzyme B (natural human)

Cat. No.: EN-007 (10 µg)

Origin:

Cytotoxic granules of YT cells

Molecular Weight:

~32 kDa fully glycosylated monomer

Purification:

Purified from cytotoxic granules by differential solubilization and cation exchange chromatography. Dialyzed against 0.15M NaCl and concentrated.

Format:

Frozen liquid. Concentration of ~11 mg/mL in ~0.15M NaCl. See vial label for lot specific concentration.

Specific Activity:

Approximately 8-20 U/µg where 1 unit hydrolyzes 1 nmole/min of BAADT substrate. See vial label for lot specific activity.

Storage:

Store at -20°C. Stable for at least 6 months when stored at -20°C. Properly stored enzyme is stable to one cycle of freeze/thaw. Recommend stock be aliquoted into appropriate volumes for one time use. Should not be diluted more than 1 mg/mL. Diluted solutions (e.g. 1-1,000 ng/mL) should be used within 24 hours.

Handling:

For maximum product recovery after thawing, centrifuge the vial before opening the cap. After opening, prepare aliquots and store at -20°C or below.

Limitations:

For *in vitro* research use only. Not for use in diagnostics or in humans.

Warranty:

No warranties, expressed or implied, are made regarding the use of this product. KAMIYA BIOMEDICAL COMPANY is not liable for any damage, personal injury, or economic loss caused by this product.