

PRODUCT DATA SHEET



Bioworld Technology, Inc.

Granzyme H (G75) pAb

Cat No.: BS2543

Host: Rabbit

Reactivity: Human

BACKGROUND

The granzyme family of proteins belong to the larger peptidase S1 family. Granzyme A and granzyme B are serine proteases that facilitate apoptotic signaling in cytotoxic T lymphocytes (CTL) and natural killer (NK) cells. Within the granules of activated CTLs, granzyme A and granzyme B are processed and converted to their active forms by the lysosomal cysteine protease cathepsin C. Once cleaved, these active proteases target distinct substrates for proteolysis and, thereby, mediate apoptosis through two different pathways. Granzyme H, also designated cytotoxic T-lymphocyte proteinase, cathepsin G-like 2 (CTSG2) or cytotoxic serine protease C (CSP-C), contains one peptidase S1 domain. Granzyme H localizes to cytoplasmic granules of cytolytic T-lymphocytes and is important for target cell lysis in cell-mediated immune responses.

PRODUCT

1 mg/ml in Phosphate buffered saline (PBS) with 0.05

Molecular Weight

~23 kDa

PURIFICATION & PURITY

The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen and the purity is > 95% (by SDS-PAGE).

APPLICATIONS

WB: 1:500 ~ 1:1000

IHC: 1:50 ~ 1:200

IF: 1:50 ~ 1:200 (Recommended Dilutions)

STORAGE & STABILITY

Store at 4°C short term. Aliquot and store at -20°C long term. Avoid freeze-thaw cycles.

SPECIFICITY

Granzyme H (G75) pAb detects endogenous levels of Granzyme H protein.

DATA



Western blot (WB) analysis of Granzyme H (G75) pAb in extracts from K562 cells.



Immunohistochemistry (IHC) analyzes of Granzyme H (G75) pAb in paraffin-embedded human pancreas tissue.

RESEARCH USE

For research use only, not for use in diagnostic procedures.

Bioworld Technology, Inc.

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