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GZMA Rabbit mAb

Catalog No.: A27792 Recombinant

Basic Information

Observed MW
29kDa

Calculated MW
29kDa

Category
Primary antibody

Applications
WB,IP,IF/ICC,ELISA

Cross-Reactivity
Human

CloneNo number
ARC74697

Background

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 described here is a T cell- and natural killer cell-specific serine protease that may function as a common component necessary for lysis of target cells by cytotoxic T lymphocytes and natural killer cells.

Recommended Dilutions

WB	1:10000 - 1:40000
IP	0.5μg-4μg antibody for 200μg-400μg extracts of whole cells
IF/ICC	1:100 - 1:400
ELISA	Recommended starting concentration is 1 μg/mL. Please optimize the concentration based on your specific assay requirements.

Immunogen Information

Gene ID
3001

Swiss Prot
P12544

Immunogen
Recombinant protein (or fragment).This information is considered to be commercially sensitive.

Synonyms
HFSP; CTLA3

Product Information

Source
Rabbit

Isotype
IgG

Purification
Affinity purification

Storage
Store at -20℃. Avoid freeze / thaw cycles.
Buffer: PBS with 0.09% Sodium azide,0.05% BSA,50% glycerol,pH7.3.

Contact

400-999-6126

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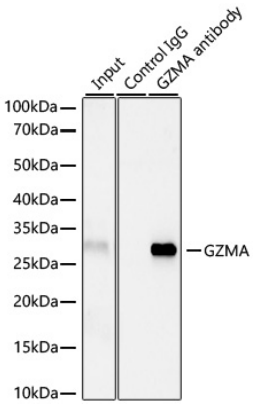
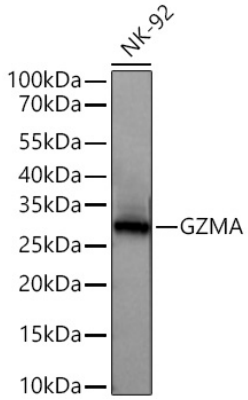
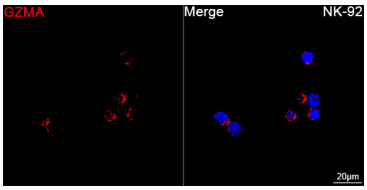
Validation Data



Immunoprecipitation of GZMA from 300 µg extracts of NK-92 cells was performed using 0.5 µg of GZMA Rabbit mAb (A27792). Rabbit IgG isotype control (AC005) was used to precipitate the Control IgG sample. IP samples were eluted with 1X non-reducing Laemmli Buffer. The Input lane represents 10% of the total input. Western blot analysis of immunoprecipitates was conducted using GZMA Rabbit mAb (A27792) at a dilution of 1:4000.



Western blot analysis of NK-92 cells using GZMA Rabbit mAb (A27792) at 1:10000 dilution incubated overnight at 4℃.
Secondary antibody: HRP-conjugated Goat anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution.
Lysates/proteins: 25 µg per lane.
Blocking buffer: 3% nonfat dry milk in TBST.
Detection: ECL Basic Kit (RM00020).
Exposure time: 30s.



Confocal imaging of NK-92 cells using GZMA Rabbit mAb (A27792, dilution 1:200) followed by a further incubation with Cy3 Goat Anti-Rabbit IgG (H+L) (AS007, dilution 1:500) (Red). DAPI was used for nuclear staining (Blue). Objective: 100x.