



20150116ML

Anti-Mouse Granzyme D (#8G14)

**FOR RESEARCH ONLY! NOT FOR HUMAN USE!**

Cat.-no.:	103-M396
Size:	100 µg
Lot. No.:	According to product label

Preparation: This antibody was produced from a hybridoma (mouse myeloma fused with spleen cells from a rat) immunized with mouse recombinant protein of Granzyme D.

Target Background

Synonyms (Target):	Gzmd; CCP5; CtlA5; CtlA-5
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Granzyme family serine proteases are stored in the granules of cytotoxic T lymphocytes and natural killer cells. Granzymes contain one S1 protease domain and are synthesized as preproteins. Granzymes are released toward pathogen infected or transformed target cells during cellular immune reactions. Target cell entry by granzymes is through perforin channels. Granzymes trigger apoptosis by caspase-dependent and -independent mechanisms. There are five granzymes (A, B, G, H and K) in human and many more in mouse and rat.

Database References Target

Protein RefSeq:	NP_034502.2
Uniprot ID:	P11033
mRNA RefSeq:	NM_010372.2

Product Specifications

Host	Rat
Reactivity against	Mouse
Clonality	Monoclonal Antibody
Clone	(#8G14)
Isotype	IgG2
Purification	Protein G/A chromatography
Antigen	recombinant mouse protein Granzyme D
Formulation	lyophilized
Reconstitution buffer	PBS (sterile)

Reconstitution: Reconstitute the antibody with 200 µl sterile PBS and the final concentration is 500 µg/ml.

Stability: Lyophilized samples are stable for 2 years from date of receipt when stored at -70°C. Reconstituted antibody can be aliquoted and stored frozen at < -20 °C for at least for six months without detectable loss of activity.

Remarks: This antibody detects specifically mouse Granzyme D with WB

**AVOID REPEATED FREEZE AND THAW CYCLES!**

Applications

The antibody can be used within the following applications:

WB

Recommended usage:

WB: 1:50-200

NOTE: OPTIMAL DILUTIONS SHOULD BE DETERMINED BY EACH LABORATORY FOR EACH APPLICATION!