Product Data Sheet

Purified anti-human Granzyme A

Catalog # / Size: 3136010 / 100 μg

Clone: CB9

Isotype: Mouse IgG1, κ

Immunogen: Purified human Granzyme A

Reactivity: Human

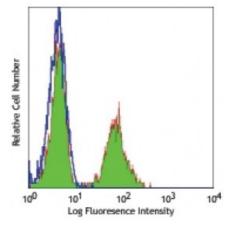
Preparation: The antibody was purified by affinity

chromatography.

Formulation: Phosphate-buffered solution, pH 7.2,

containing 0.09% sodium azide.

Concentration: 0.5



Human peripheral blood lymphocytes intracellular stained with purified CB9, followed by antimouse IgG FITC

Applications:

Applications: Other

Recommended Each lot of this antibody is quality control tested by intracellular

Usage: immunofluorescent staining with flow cytometric analysis. For flow cytometric

staining, the suggested use of this reagent is ≤ 0.5 microg per million cells in 100 microL volume or 100 microL of whole blood. It is recommended that the reagent

be titrated for optimal performance for each application.

Application Additional reported applications (for the relevant formats) include:

Notes: immunohistochemical staining3 of formalin-fixed paraffin-embedded tissue

sections, and immunoprecipitation2.

Application 1. Trimble L, et al. 1998. Blood 91:585.

References: 2. Beresford P, et al. 1997. P. Natl. Acad. Sci. USA 94:9285.

3. Raqib R, et al. 2002. Infect. Immun. 70:3199.

4. Chen H, et al. 2005. J. Immunol. 175:591.

Description: Granzyme A is a 28 kD disulfide-linked homodimeric protein and the most

abundant of the proteases occurring in CTL granules. It is homologous to other serine esterases, including other granyzmes, mast cell proteases, and neutrophil cathepsins. Granzyme B is thought to be a rapidly-acting apoptotic enzyme, while Granzyme A is slow acting. The CB9 monoclonal antibody recognizes human

Granzyme A and has been shown to be useful for flow cytometry,

immunoprecipitation, and immunohistochemistry (paraffin-embedded sections).

Antigen References:

1. Brune J, et al. 1986. Nature 322:268.

2. Fan Z, et al. 2003. Nature Immunol. 4:145.

3. Fan Z, et al. 2003. Cell 112:659.

4. Masson D, et al. 1987. Cell 49:679.