

Product Data Sheet

PE anti-human Granzyme A

Catalog # / Size: 507206 / 100 tests

Clone: CB9

Isotype: Mouse IgG1, κ

Immunogen: Purified human Granzyme A

Reactivity: Human

Preparation: The antibody was purified by affinity chromatography, and conjugated with

PE under optimal conditions. The solution is free of unconjugated PE and

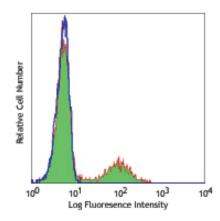
unconjugated antibody.

Formulation: Phosphate-buffered solution, pH 7.2, containing 0.09% sodium azide and

0.2% (w/v) BSA (origin USA).

Storage: The antibody solution should be stored undiluted at 4°C and protected from

prolonged exposure to light. Do not freeze.



Human peripheral blood lymphocytes intracellular stained with CB9 PE

Applications:

Applications: ICFC - Quality tested

Recommended Usage: Each lot of this antibody is quality control tested by intracellular immunofluorescent staining with flow cytometric analysis. Test size products are transitioning from 20 µl to 5 µl per test. Please check your vial or your CoA to find the suggested use of this reagent per million cells in 100 µl staining volume or per 100 µl of whole blood. It is

recommended that the reagent be titrated for optimal performance for each application. Read more at

www.biolegend.com/testsize regarding the test size change.

Application Notes: Additional reported applications (for the relevant formats) include: immunohistochemical staining³ of formalin-fixed

paraffin-embedded tissue sections, and immunoprecipitation².

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

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.

Related Products: Product
PE anti-human Perforin
PE anti-human Perforin

Clone
dG9
Application
ICFC

Cell Staining Buffer FC, ICC, ICFC
Fixation Buffer ICC, ICFC
Permeabilization Wash Buffer (10X) ICC, ICFC, IHC
RBC Lysis Buffer (10X) FC, ICFC

Profelition A Solution (4,000X)

RBC Lysis Buffer (10X)

Brefeldin A Solution (1,000X)

Monensin Solution (1,000X)

FC, ICFC

ICFC

PE Mouse IgG1, κ Isotype Ćtrl (ICFC) MOPC-21 IC



