

CD3G Rabbit mAb

Catalog No.: A4085

Recombinant

3 Publications

Basic Information

Observed MW

24kDa

Calculated MW

20kDa

Category

Primary antibody

Applications

ELISA, WB, IHC-P, IF/ICC, FC

Cross-Reactivity

Human, Mouse, Rat

CloneNo number

ARC2105

Background

The protein encoded by this gene is the CD3-gamma polypeptide, which together with CD3-epsilon, -delta and -zeta, and the T-cell receptor alpha/beta and gamma/delta heterodimers, forms the T-cell receptor-CD3 complex. This complex plays an important role in coupling antigen recognition to several intracellular signal-transduction pathways. The genes encoding the epsilon, gamma and delta polypeptides are located in the same cluster on chromosome 11. Defects in this gene are associated with T cell immunodeficiency.

Recommended Dilutions

WB	1:500 - 1:1000
IHC-P	1:50 - 1:200
IF/ICC	1:50 - 1:200
FC	1:50 - 1:200

Immunogen Information

Gene ID

917

Swiss Prot

P09693

Immunogen

A synthetic peptide corresponding to a sequence within amino acids 83-182 of human CD3G (P09693).

Synonyms

T3G; IMD17; CD3GAMMA; CD3-GAMMA; CD3G

Contact

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Product Information

Source

Rabbit

Isotype

IgG

Purification

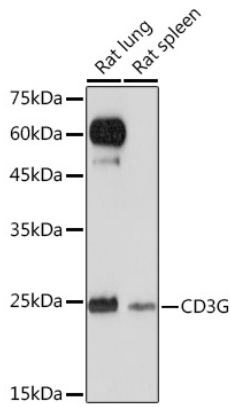
Affinity purification

Storage

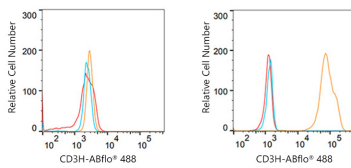
Store at -20°C. Avoid freeze / thaw cycles.

Buffer: PBS with 0.02% sodium azide, 0.05% BSA, 50% glycerol, pH7.3.

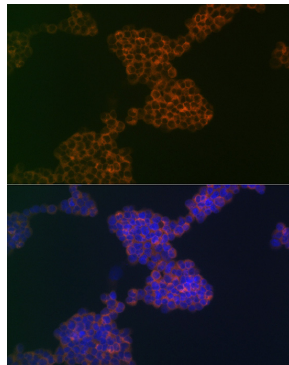
Validation Data



Western blot analysis of extracts of various cell lines, using CD3G Rabbit mAb (A4085) at 1:1000 dilution. Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution. Lysates/proteins: 25µg per lane. Blocking buffer: 3% nonfat dry milk in TBST. Detection: ECL Basic Kit (RM00020). Exposure time: 120s.



Flow cytometry: 1×10^6 Raji cells (negative control, left) and Jurkat cells (right) were intracellularly-stained with CD3G Rabbit mAb (A4085, 2.5 µg/mL orange line) or ABflo® 488 Rabbit IgG isotype control (AC042, 2.5 µg/mL, blue line). Non-fluorescently stained cells were used as blank control (red line).



Immunofluorescence analysis of Jurkat cells using CD3G Rabbit mAb (A4085) at dilution of 1:100 (40x lens). Blue: DAPI for nuclear staining.