

CD3G Rabbit mAb

Catalog No.: A25012 **Recombinant** **1 Publications**

Basic Information

Observed MW

18-28kDa

Calculated MW

20kDa

Category

Primary antibody

Applications

ELISA, WB, IHC-P, IF/ICC

Cross-Reactivity

Human

CloneNo number

ARC65124

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	1:2000 - 1:4000
IHC-P	1:500 - 1:1000
IF/ICC	1:50 - 1:200

Immunogen Information

Gene ID

917

Swiss Prot

P09693

Immunogen

Recombinant fusion protein containing a sequence corresponding to amino acids 23-116 of human CD3G (NP_000064.1).

Synonyms

T3G; IMD17; CD3GAMMA; CD3-GAMMA; CD3G

Contact

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Product Information

Source

Rabbit

Isotype

IgG

Purification

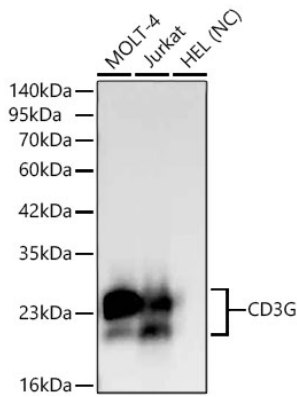
Affinity purification

Storage

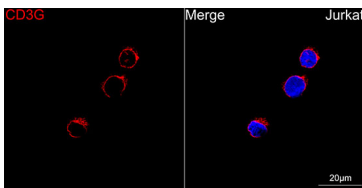
Store at -20°C. Avoid freeze / thaw cycles.

Buffer: PBS with 0.05% proclin300, 0.05% BSA, 50% glycerol, pH7.3.

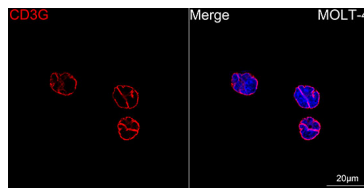
Validation Data



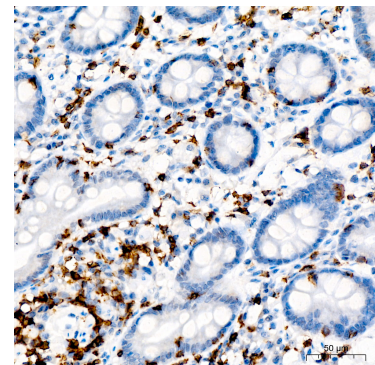
Western blot analysis of various lysates using CD3G Rabbit mAb (A25012) at 1:3000 dilution.
 Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution.
 Lysates/proteins: 25ug per lane.
 Blocking buffer: 3% nonfat dry milk in TBST.
 Detection: ECL Basic Kit (RM00020).
 Negative control (NC):HEL
 Exposure time: 20s.



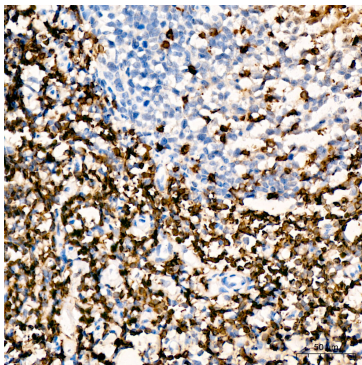
Confocal imaging of Jurkat cells using CD3G Rabbit mAb (A25012, dilution 1:200) followed by a further incubation with Cy3 Goat Anti-Rabbit IgG (H+L) (AS007, dilution 1:500) (Red). DAPI was used for nuclear staining (Blue). Objective: 100x.



Confocal imaging of MOLT-4 cells using CD3G Rabbit mAb (A25012, 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.



Immunohistochemistry analysis of CD3G in paraffin-embedded human colon tissue using CD3G Rabbit mAb (A25012) at a dilution of 1:800 (40x lens).High pressure antigen retrieval was performed with 0.01 M citrate buffer (pH 6.0) prior to IHC staining.



Immunohistochemistry analysis of CD3G in paraffin-embedded human tonsil tissue using CD3G Rabbit mAb (A25012) at a dilution of 1:800 (40x lens).High pressure antigen retrieval was performed with 0.01 M citrate buffer (pH 6.0) prior to IHC staining.