

Datasheet for ABIN7101622

anti-CD3G antibody

4 Images



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Overview

Quantity:	20 µL
Target:	CD3G
Reactivity:	Human
Host:	Rabbit
Clonality:	Monoclonal
Conjugate:	This CD3G antibody is un-conjugated
Application:	Western Blotting (WB), Flow Cytometry (FACS), Immunohistochemistry (IHC), Immunofluorescence (IF)

Product Details

Immunogen:	A synthesized peptide derived from human CD3G
Isotype:	IgG
Cross-Reactivity:	Human, Rat
Characteristics:	Monoclonal Antibodies
Purification:	Affinity purification

Target Details

Target:	CD3G
Alternative Name:	CD3G (CD3G Products)
Background:	The protein encoded by this gene is the CD3-gamma polypeptide, which together with CD3-

Target Details

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. [provided by RefSeq, Jul 2008],CD3-GAMMA, IMD17, T3G,Apoptosis,CDs,Cell Biology & Developmental Biology,Immunology & Inflammation,T Cell Receptor Signaling Pathway,CD3G

Molecular Weight: 20 kDa

Gene ID: 917

UniProt: [P09693](#)

Pathways: [TCR Signaling](#), [CXCR4-mediated Signaling Events](#)

Application Details

Application Notes: WB,1:500 - 1:2000,IHC,1:50 - 1:200,IF,1:50 - 1:200,FC,1:50 - 1:200

Restrictions: For Research Use only

Handling

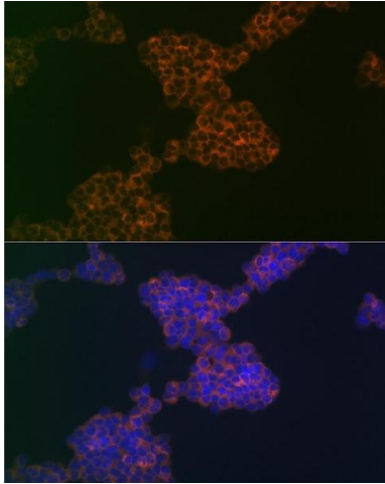
Buffer: PBS with 0.02 % sodium azide,0.05 % BSA,50 % glycerol, pH 7.3.

Preservative: Sodium azide

Precaution of Use: This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

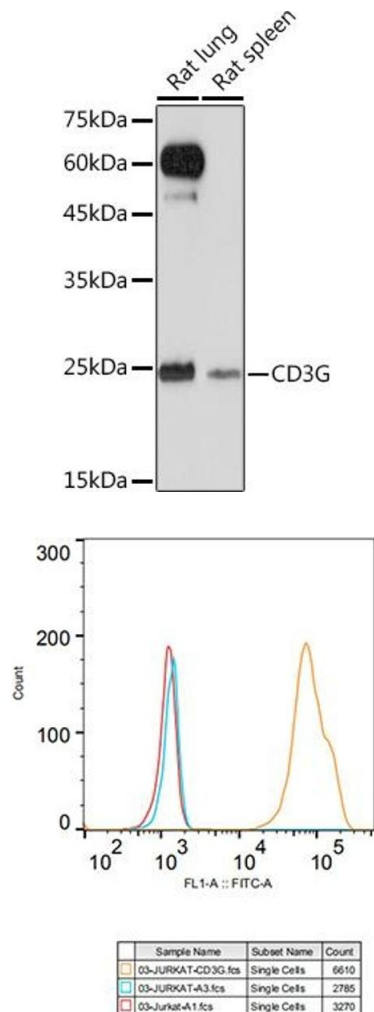
Storage: -20 °C

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



Immunofluorescence

Image 1. Immunofluorescence analysis of Jurkat cells using CD3G Rabbit mAb (ABIN1682574, ABIN3018517, ABIN3018518 and ABIN7101622) at dilution of 1:100 (40x lens). Blue: DAPI for nuclear staining.



Western Blotting

Image 2. Western blot analysis of extracts of various cell lines, using CD3G Rabbit mAb (ABIN1682574, ABIN3018517, ABIN3018518 and ABIN7101622) at 1:1000 dilution. Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) (ABIN1684268 and ABIN3020597) at 1:10000 dilution. Lysates/proteins: 25 µg per lane. Blocking buffer: 3 % nonfat dry milk in TBST. Detection: ECL Basic Kit (RM00020). Exposure time: 120s.

Flow Cytometry

Image 3. Flow cytometry: Jurkat cells were stained with Rabbit IgG isotype control (, 2.5 µg/mL, blue line) or CD3G Rabbit mAb (ABIN1682574, ABIN3018517, ABIN3018518 and ABIN7101622, 2.5 µg/mL orange line), followed by goat anti-Rabbit pAb FITC (1:200 dilution) staining. Non-fluorescently stained Jurkat cells was used as blank control (red line) .

Please check the [product details page](#) for more images. Overall 4 images are available for ABIN7101622.