

CD3 Rabbit mAb

Catalog No.: A26443

Recombinant

1 Publications

Basic Information

Observed MW

23kDa

Calculated MW

23kDa

Category

Primary antibody

Applications

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

Cross-Reactivity

Human

CloneNo number

ARC68274

Background

The protein encoded by this gene is the CD3-epsilon polypeptide, which together with CD3-gamma, -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. The epsilon polypeptide plays an essential role in T-cell development. Defects in this gene cause immunodeficiency. This gene has also been linked to a susceptibility to type I diabetes in women.

Recommended Dilutions

WB 1:500 - 1:1000**IF-P** 1:50 - 1:200**IHC-P** 1:50 - 1:200**FC** 1:100 - 1:500

ELISA Recommended starting concentration is 1 µg/mL. Please optimize the concentration based on your specific assay requirements.

Immunogen Information

Gene ID

916

Swiss Prot

P07766

Immunogen

Recombinant protein (or fragment). This information is considered to be commercially sensitive.

Synonyms

T3E; TCRE; IMD18; CD3epsilon

Contact

 | 400-999-6126 | cn.market@abclonal.com.cn | www.abclonal.com.cn

Product Information

Source

Rabbit

Isotype

IgG

Purification

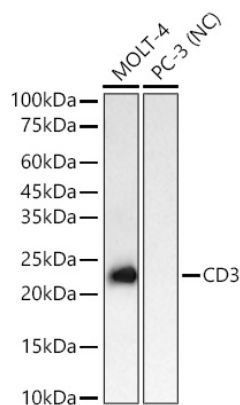
Affinity purification

Storage

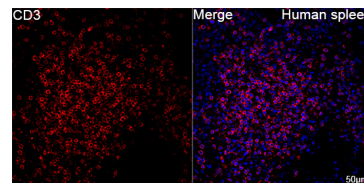
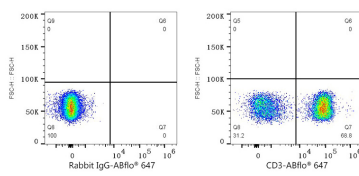
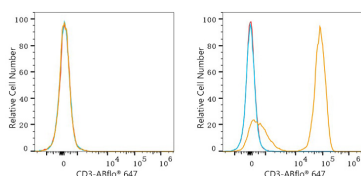
Store at -20°C. Avoid freeze / thaw cycles.

Buffer: PBS with 0.09% Sodium azide, 0.05% BSA, 50% glycerol, pH7.3.

Validation Data



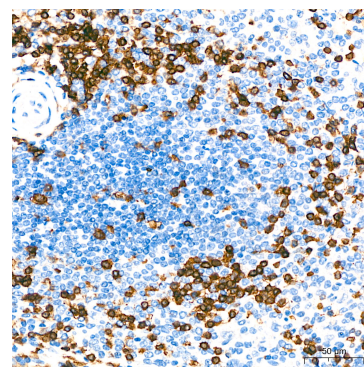
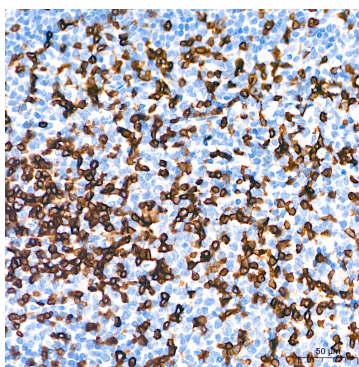
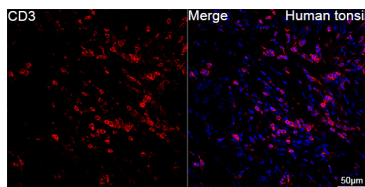
Western blot analysis of various lysates using CD3 Rabbit mAb (A26443) at 1:1000 dilution incubated overnight at 4°C.
Secondary antibody: HRP-conjugated Goat anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution.
Lysates/proteins: 25 µg per lane.
Blocking buffer: 3% nonfat dry milk in TBST.
Detection: ECL Basic Kit (RM00020).
Negative control (NC): PC-3
Exposure time: 10s.



Flow cytometry: 1×10^6 Raji cells (negative control, left) and Human PBMC (right) were surface-stained with CD3 Rabbit mAb (A26443, 2 µg/mL, orange line) or Rabbit IgG isotype control (AC042, 2 µg/mL, blue line), followed by Alexa Fluor® 647 conjugated goat anti-rabbit pAb staining. Non-fluorescently stained cells were used as blank control (red line).

Flow cytometry: 1×10^6 Human PBMC were surface-stained with Rabbit IgG isotype control (AC042, 2 µg/mL, left) or CD3 Rabbit mAb (A26443, 2 µg/mL, right), followed by Alexa Fluor® 647 conjugated goat anti-rabbit pAb staining.

Confocal imaging of paraffin-embedded Human spleen tissue using CD3 Rabbit mAb (A26443, 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). High pressure antigen retrieval performed with 0.01M Citrate Buffer (pH 6.0) prior to IF staining. Objective: 40x.

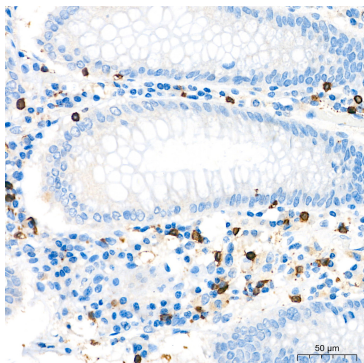


Confocal imaging of paraffin-embedded Human tonsil tissue using CD3 Rabbit mAb (A26443, dilution 1:200) followed by a further incubation with Cy3 Goat Anti-Rabbit IgG (H+L) (AS007, dilution 1:500) (Red). DAPI was used for nuclear staining (Blue). High pressure antigen retrieval performed with 0.01M Citrate Buffer (pH 6.0) prior to IF staining. Objective: 40x.

Immunohistochemistry analysis of paraffin-embedded Human tonsil tissue using CD3 Rabbit mAb (A26443) at a dilution of 1:200 (40x lens). High pressure antigen retrieval performed with 0.01M Citrate Buffer (pH 6.0) prior to IHC staining.

Immunohistochemistry analysis of paraffin-embedded Human spleen tissue using CD3 Rabbit mAb (A26443) at a dilution of 1:200 (40x lens). High pressure antigen retrieval performed with 0.01M Citrate Buffer (pH 6.0) prior to IHC staining.

Validation Data



Immunohistochemistry analysis of paraffin-embedded Human colon tissue using CD3 Rabbit mAb (A26443) at a dilution of 1:200 (40x lens). High pressure antigen retrieval performed with 0.01M Citrate Buffer(pH 6.0) prior to IHC staining.