

# CD3 Rabbit mAb

Catalog No.: A24060 **Recombinant**

## Basic Information

**Observed MW**

23kDa

**Calculated MW**

23kDa

**Category**

Primary antibody

**Applications**

WB,IHC-P,FC

**Cross-Reactivity**

Human

**CloneNo number**

ARC66608

## 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

<b>WB</b>	1:1000-1:5000
<b>IHC-P</b>	1:50-1:200
<b>FC</b>	1:100 - 1:500

## Immunogen Information

**Gene ID**

916

**Swiss Prot**

P07766

**Immunogen**

Recombinant fusion protein containing a sequence corresponding to amino acids 22-126 of human CD3 (NP\_000724.1).

**Synonyms**

T3E; TCRE; IMD18; CD3epsilon; CD3

## Contact

	400-999-6126
	<a href="mailto:cn.market@abclonal.com.cn">cn.market@abclonal.com.cn</a>
	<a href="http://www.abclonal.com.cn">www.abclonal.com.cn</a>

## Product Information

**Source**

Rabbit

**Isotype**

IgG

**Purification**

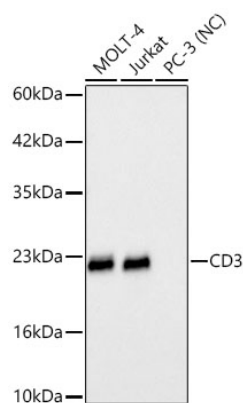
Affinity purification

**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 CD3 Rabbit mAb (A24060) at 1:1900 dilution incubated overnight at 4°C.

Secondary antibody: HRP-conjugated Goat anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution.

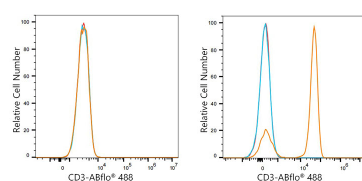
Lysates/proteins: 25 µg per lane.

Blocking buffer: 3% nonfat dry milk in TBST.

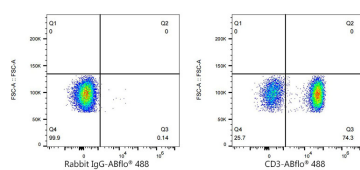
Detection: ECL Basic Kit (RM00020).

Negative control (NC): PC-3

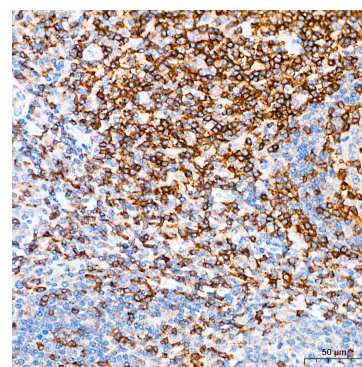
Exposure time: 20s.



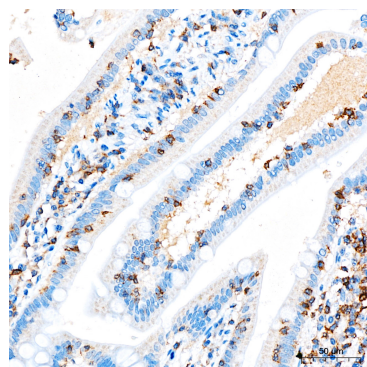
Flow cytometry:  $1 \times 10^6$  PC-3 cells (negative control, left) and Human PBMC (right) were surface-stained with CD3 Rabbit mAb (A24060, 2 µg/mL, orange line) or ABflo® 488 Rabbit IgG isotype control (A22069, 5 µg/mL, blue line), followed by FITC conjugated goat anti-Rabbit pAb staining. Non-fluorescently stained cells were used as blank control (red line).



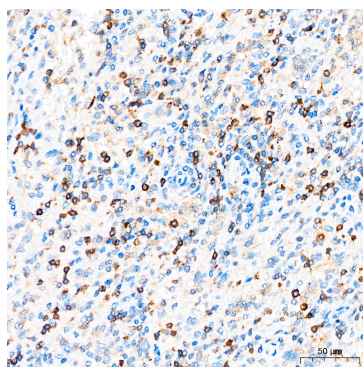
Flow cytometry:  $1 \times 10^6$  Human PBMC (right) were surface-stained with ABflo® 488 Rabbit IgG isotype control (A22069, 5 µg/mL, left) or CD3 Rabbit mAb (A24060, 2 µg/mL, right).



Immunohistochemistry analysis of paraffin-embedded Human tonsil tissue using CD3 Rabbit mAb (A24060) 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 colon tissue using CD3 Rabbit mAb (A24060) 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 (A24060) 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.