A26496

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CD3 epsilon Rabbit mAb

Catalog No.: A26496 Recombinant 1 Publications

Basic Information

Observed MW
22kDa

Calculated MW
21kDa

Category
SMab Recombinant Monoclonal Antibody

Applications
WB,ELISA,IF-P

Cross-Reactivity
Mouse,Rat

Background

Predicted to enable several functions, including SH3 domain binding activity; identical protein binding activity; and protein heterodimerization activity. Involved in nervous system development and positive regulation of cell adhesion. Acts upstream of or within several processes, including positive regulation of T cell activation; positive regulation of cytokine production; and regulation of signal transduction. Located in several cellular components, including dendritic spine; external side of plasma membrane; and immunological synapse. Part of alpha-beta T cell receptor complex. Is expressed in colon and hemolymphoid system. Human ortholog(s) of this gene implicated in immunodeficiency 18. Orthologous to human CD3E (CD3e molecule).

Recommended Dilutions

WB	1:5000 - 1:30000
IF-P	1:1000 - 1:3000
ELISA	Recommended starting concentration is 1 μg/mL. Please optimize the concentration based on your specific assay requirements.

Immunogen Information

Gene ID
12501

Swiss Prot
P22646

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

Synonyms
CD3; T3e; CD3epsilon

Contact

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Product Information

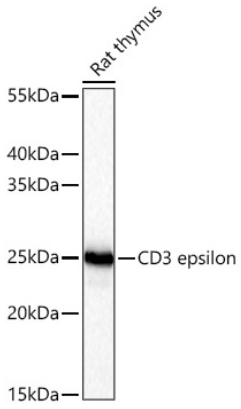
Source
Rabbit

Isotype
IgG

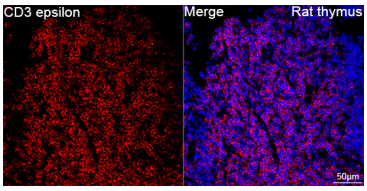
Purification
Affinity purification

Storage
Store at -20℃

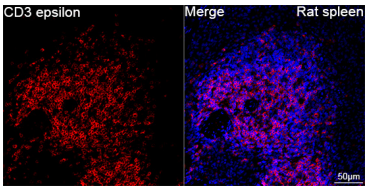
Validation Data



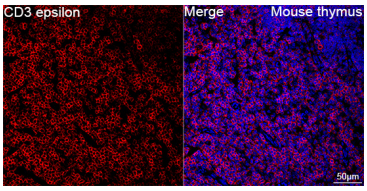
Western blot analysis of lysates from Rat thymus using CD3 epsilon Rabbit mAb (A26496) at 1:5000 dilution incubated overnight at 4℃.
Secondary antibody: HRP-conjugated Goat anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution.
Lysates/proteins: 25 µg per lane.
Blocking buffer: 3% nonfat dry milk in TBST.
Detection: ECL Basic Kit (RM00020).
Exposure time: 10s.



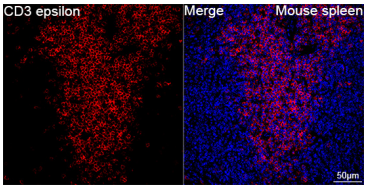
Confocal imaging of paraffin-embedded Rat thymus tissue using CD3 epsilon Rabbit mAb (A26496, dilution 1:1500) followed by a further incubation with Cy3 Goat Anti-Rabbit IgG (H+L) (AS007, dilution 1:500) (Red). DAPI was used for nuclear staining (Blue). High pressure antigen retrieval performed with 0.01M Citrate Buffer (pH 6.0) prior to IF staining. Objective: 40x.



Confocal imaging of paraffin-embedded Rat spleen tissue using CD3 epsilon Rabbit mAb (A26496, dilution 1:1500) 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 Mouse thymus tissue using CD3 epsilon Rabbit mAb (A26496, dilution 1:1500) 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 Mouse spleen tissue using CD3 epsilon Rabbit mAb (A26496, dilution 1:1500) followed by a further incubation with Cy3 Goat Anti-Rabbit IgG (H+L) (AS007, dilution 1:500) (Red). DAPI was used

Validation Data

for nuclear staining (Blue). High pressure antigen retrieval performed with 0.01M Citrate Buffer (pH 6.0) prior to IF staining. Objective: 40x.