

#M25009

CD3E Mouse mAb



Orders ■ 400-6123-828

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- 50 µl
- 100 µl
- 200 µl

DESCRIPTION

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.

SOURCE

This Abmart monoclonal antibody is produced by immunizing mice with a polypeptide (Abmart SEAL mAb technology) corresponding to CD3E protein.

STORAGE

Store at -20°C, stable for one year from the date of shipment.

ALIASES

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REACTIVITY

Malus domestica

ISOTYPE

Mouse IgG

PREDICTED MOLECULAR WEIGHT

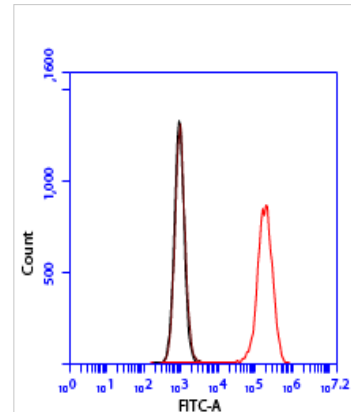
23 KDa

RECOMMEND ANTIBODY DILUTIONS

Western blotting	1:1000-1:5000
Immunohistochemistry	10 tests
FACS	1:100-1:200

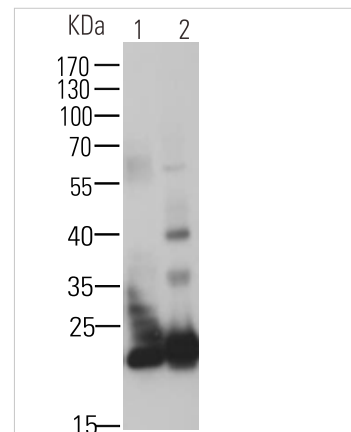
***For Western blots, incubate membrane with diluted antibody in 5% w/v nonfat dry milk, 1X TBS, 0.05% Tween-20 at 4°C with gentle shaking overnight.**

APPLICATION DATA



Flow Cytometry—Anti-CD3E Antibody (M25009)

Flow cytometric analysis of 2% paraformaldehyde-fixed Jurkat (Human T cell leukemia cells from peripheral blood) cells labeling CD3E with M25009 at 1/200 dilution (red) compared with a mouse monoclonal IgG isotype control (black) and an unlabelled control (cells without incubation with primary antibody, blue). Goat anti-mouse IgG (FITC) at 1/300 dilution was used as the secondary antibody.



IP—Anti-CD3E Antibody(M25009)

CD3E was immunoprecipitated from 1mg of Jurkat cells membrane fraction, blotted with M25009 of 10µg. Western blot was performed from the immunoprecipitate using M25009 at 1/1000 dilution. Anti-Mouse-IgG(HRP), specific to the non-reduced form of IgG, was used as secondary antibody at 1/10000 dilution. Lane 1: Jurkat cells membrane fraction. Lane 2: IP product of Jurkat cells membrane fraction.

Predicted band size : 23 KDa
Observed band size : 23 KDa

Blocking and dilution buffer and concentration: 5% milk/TBST.

COMPANION PRODUCTS

M25001	AIFM1 Mouse mAb
M25002	Ch60 Mouse mAb
M25003	VIME(337) Mouse mAb
M25004	IDHP Mouse mAb
M25005	TBA1B Mouse mAb

Applications Key: WB—Western blot, IP—Immunoprecipitation, IHC—Immunohistochemistry, ChIP—Chromatin Immunoprecipitation, IF—Immunofluorescence

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For *in vitro* research use only and not intended for use in humans or animals.