

Name: CD3E mouse monoclonal antibody, clone UMAB54
Product Data Sheet - UltraMAB

Catalog: UM500048

Gene Name: Homo sapiens CD3e molecule, epsilon (CD3-TCR complex) (CD3E)
GeneBank accession: NM_000733
Isotype: IgG2b

Reactivity: Human
Test application: WB
Clone Name: Clone UMAB54

Gene Synonym: T3E; TCRE

Validation Data:

Guaranteed Applications: IHC

Western Blot

Suggested Dilutions: IHC 1:100,

Immunogen: Full length human recombinant protein of human CD3E(NP_000724) produced in HEK293T cell.

Components:

- CD3E mouse monoclonal antibody, clone UMAB54 (UM500048)

Amount:

UM500048 100ul

Concentration: 0.5~1.0 mg/ml (Lot Dependent)

Storage Condition: Shipped at 4C. Upon delivery store at -20C. Dilute in PBS (pH7.3) before use. Stable for 12 months from date of receipt. Avoid repeated freeze-thaws.

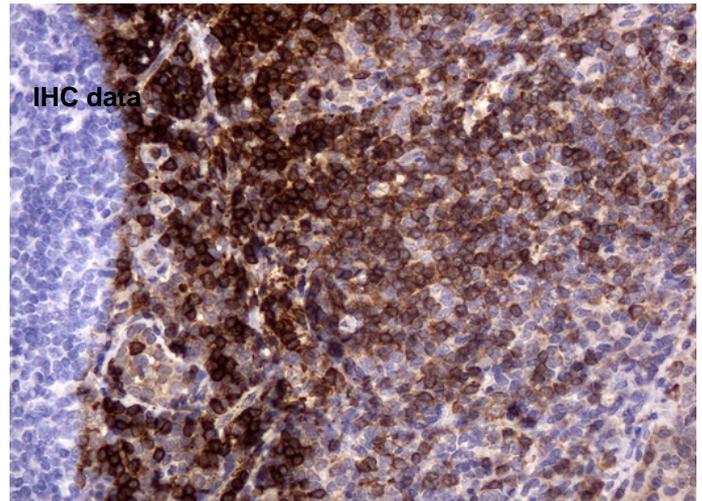
Buffer: PBS (PH 7.3) containing 1% BSA, 50% glycerol and 0.02% sodium azide.

Purification:

Purified from mouse ascites fluids by affinity chromatography

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. [provided by RefSeq, Jul 2008].



Immunohistochemical staining of paraffin-embedded Human tonsil using anti-UM500048 mouse monoclonal antibody. (UM500048)

Related Product:

TrueORF cDNA clones
VERIFY Tagged Antigen lysates
HuSH-29 shRNA
Western Blot reagents
Anti-myc/DDK tag antibodies

* Peptide sequence of the DDK-tag (Flag®): N-DYKDDDDK-C Flag® is a registered trademark of Sigma-Aldrich

* More validation images may be available on our website:

<http://www.origene.com/antibody/UM500048.aspx>

This product is to be used for laboratory only. Not for diagnostic or therapeutic use.