ARG67246
anti-CD3 antibody [SQab30364]

Package: 100 µl
Store at: -20°C

Summary

Product Description	Rabbit Monoclonal antibody [SQab30364] recognizes CD3.
Tested Reactivity	Hu
Tested Application	IHC-P
Host	Rabbit
Clonality	Monoclonal
Clone	SQab30364
Isotype	IgG
Target Name	CD3
Species	Human
Immunogen	Synthetic peptide corresponding to Human CD3E(a.a. 1-100).
Conjugation	Un-conjugated
Alternate Names	CD3E; CD3 Epsilon Subunit Of T-Cell Receptor Complex; T-Cell Surface Glycoprotein CD3 Epsilon Chain; CD3-Epsilon; CD3epsilon; CD3e Antigen, Epsilon Polypeptide (TiT3 Complex); T-Cell Surface Antigen T3/Leu-4 Epsilon Chain; CD3e Molecule, Epsilon (CD3-TCR Complex); T3E; T-Cell Antigen Receptor Complex, Epsilon Subunit Of T3; CD3e Molecule; CD3e Antigen; IMD18; TCRE

Application Instructions

Application table

Application	Dilution
IHC-P	1:100-1:200

Application Note: * The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist.

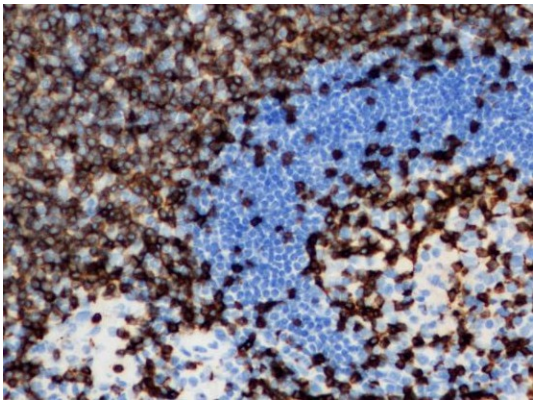
Properties

Form	Liquid
Purification	Purification with Protein A.
Buffer	PBS, 0.01% Sodium azide, 40% Glycerol and 0.05% BSA.
Preservative	0.01% Sodium azide
Stabilizer	40% Glycerol and 0.05% BSA
Storage instruction	For continuous use, store undiluted antibody at 2-8°C for up to a week. For long-term storage, aliquot and store at -20°C or below. Storage in frost free freezers is not recommended. Avoid repeated freeze/thaw cycles. Suggest spin the vial prior to opening. The antibody solution should be gently mixed before use.
Note	For laboratory research only, not for drug, diagnostic or other use.

Bioinformation

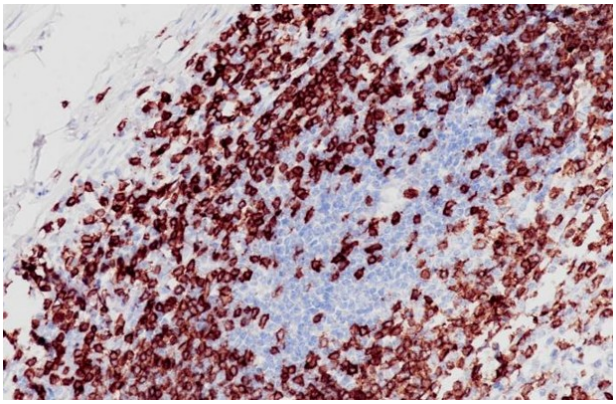
Gene Symbol	CD3E
Gene Full Name	CD3 Epsilon Subunit Of T-Cell Receptor Complex
Background	The protein encoded by this gene is the CD3-epsilon polypeptide, which together with CD3-gamma, -delta and -zeta, and the T-cell receptor alpha/beta and gamma/delta heterodimers, forms the T-cell receptor-CD3 complex. 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]
Function	In addition to its role as a TCR coreceptor, it serves as a receptor for ITPRIPL1. Ligand recognition inhibits T-cell activation by promoting interaction with NCK1, which prevents CD3E-ZAP70 interaction and blocks the ERK-NFkB signaling cascade and calcium influx. [Uniprot]
Calculated Mw	21 kDa
PTM	Disulfide bond, Phosphoprotein. [Uniprot]
Cellular Localization	Cell membrane, Membrane. [Uniprot]

Images



ARG67246 anti-CD3 antibody [SQab30364] IHC-P image

Immunohistochemistry: Human Tonsil stained with ARG67246 anti-CD3 antibody [SQab30364] at 1:100 dilution.



ARG67246 anti-CD3 antibody [SQab30364] IHC-P image

Immunohistochemistry: Human Appendix stained with ARG67246 anti-CD3 antibody [SQab30364] at 1:100 dilution.