



## Rabbit Anti-CD3 antibody

SL10498R

<b>Product Name:</b>	CD3
<b>Chinese Name:</b>	CD3抗体
<b>Alias:</b>	CD3 epsilon; CD3e; CD3e antigen epsilon polypeptide (TiT3 complex); CD3E antigen epsilon polypeptide; CD3E antigen, epsilon subunit; CD3e molecule epsilon; CD3e molecule, epsilon (CD3 TCR complex); CD3e molecule, epsilon (CD3-TCR complex); CD3E_HUMAN; IMD18; T cell antigen receptor complex epsilon subunit of T3; T cell surface antigen T3/Leu 4 epsilon chain; T cell surface glycoprotein CD3 epsilon chain; T-cell surface antigen T3/Leu-4 epsilon chain; T-cell surface glycoprotein CD3 epsilon chain; T3E; TCRE.
<b>Organism Species:</b>	Rabbit
<b>Clonality:</b>	Polyclonal
<b>React Species:</b>	Pig,
<b>Applications:</b>	ELISA=1:500-1000IHC-P=1:400-800IHC-F=1:400-800ICC=1:100-500IF=1:100-500 (Paraffin sections need antigen repair) not yet tested in other applications. optimal dilutions/concentrations should be determined by the end user.
<b>Molecular weight:</b>	20kDa
<b>Cellular localization:</b>	The cell membrane
<b>Form:</b>	Lyophilized or Liquid
<b>Concentration:</b>	1mg/ml
<b>immunogen:</b>	KLH conjugated synthetic peptide derived from pig CD3:11-100/196<Extracellular>
<b>Lsotype:</b>	IgG
<b>Purification:</b>	affinity purified by Protein A
<b>Storage Buffer:</b>	0.01M TBS(pH7.4) with 1% BSA, 0.03% Proclin300 and 50% Glycerol.
<b>Storage:</b>	Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. The lyophilized antibody is stable at room temperature for at least one month and for greater than a year when kept at -20°C. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.
<b>PubMed:</b>	<a href="#">PubMed</a>
<b>Product Detail:</b>	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:**

The CD3 complex mediates signal transduction.

**Subunit:**

The TCR/CD3 complex of T-lymphocytes consists of either a TCR alpha/beta or TCR gamma/delta heterodimer coexpressed at the cell surface with the invariant subunits of CD3 labeled gamma, delta, epsilon, zeta, and eta.

**Subcellular Location:**

Membrane; Single-pass type I membrane protein.

**Similarity:**

Contains 1 Ig-like (immunoglobulin-like) domain.  
Contains 1 ITAM domain.

**SWISS:**

Q7YRN2

**Gene ID:**

397455

**Database links:**

[Entrez Gene: 916](#)Human

[Entrez Gene: 12501](#)Mouse

[Omin: 186830](#)Human

[SwissProt: P07766](#)Human

[SwissProt: P22646](#)Mouse

[Unigene: 3003](#)Human

[Unigene: 210361](#)Mouse

**Important Note:**

This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.

[www.sunlongbiotech.com](http://www.sunlongbiotech.com)