



## Product Datasheet

### Purified Anti-Mouse CD3 $\epsilon$ Antibody [145-2C11]

Catalogue Code: AGEL0374

#### Antibody Data

<b>Product SKU:</b>	<b>AGEL0374</b>	<b>Clone:</b>	<b>145-2C11</b>
<b>Applications:</b>	<b>FCM</b>		
<b>Reactivity:</b>	<b>Mouse</b>		

#### Important Note:

Centrifuge before opening to ensure complete recovery of vial contents.

#### Product Information:

<b>Alternate Names:</b>	T-cell surface glycoprotein CD3 epsilon chain;CD3E;T-cell surface antigen T3/Leu-4 epsilon chain;CD3e;CD3E;T3E;
<b>Uniprot ID:</b>	P22646
<b>Background:</b>	CD3 $\epsilon$ is a 20 kD transmembrane protein, also known as CD3 or T3. It is a member of the Ig superfamily and primarily expressed on T cells, NK-T cells, and at different levels on thymocytes during T cell differentiation. CD3 $\epsilon$ forms a TCR complex by associating with the CD3 $\delta$ , $\gamma$ and $\zeta$ chains, as well as the TCR $\alpha/\beta$ or $\gamma/\delta$ chains. CD3 plays a critical role in TCR signal transduction, T cell activation, and antigen recognition by binding the peptide/MHC antigen complex.
<b>Form:</b>	Liquid
<b>Conjugation:</b>	Unconjugated
<b>Size:</b>	25 $\mu$ g, 100 $\mu$ g
<b>Host Species:</b>	Armenian Hamster
<b>Isotype:</b>	Armenian Hamster IgG
<b>Isotype Control:</b>	Purified Armenian Hamster IgG Isotype Control[PIP] [Product AGEL0374]
<b>Storage Buffer:</b>	Phosphate buffered solution, pH 7.2, containing 0.09% stabilizer.
<b>Shipping:</b>	Biological ice pack at 4 $^{\circ}$ C

**Stability & Storage:** Keep as concentrated solution. Store at 2~8°C and protected from prolonged exposure to light. Do not freeze. Centrifuge before opening to ensure complete recovery of vial contents. This product is guaranteed up to one year from purchase.

**Recommended Usage:** Each lot of this antibody is quality control tested by flow cytometric analysis. For flow cytometric staining, the suggested use of this reagent is  $\leq 2.0 \mu\text{g}$  per  $10^6$  cells in 100  $\mu\text{L}$  volume or 100  $\mu\text{L}$  of whole blood. It is recommended that the reagent be titrated for optimal performance for each application.