

**LE/AF Purified anti-mouse CD3 $\epsilon$  Monoclonal antibody**

天津三箭生物技术股份有限公司  
Tianjin Sungene Biotech Co., Ltd.  
精准 高效 稳定 Precision Efficient Stable

Catalog Number	Vial Size
M10032-14B	50 $\mu$ g
M10032-14E	500 $\mu$ g
M10032-14F	1 mg

**Market** | 400-621-0003  
marketing@sungenebiotech.com

**Support** | 022-66211636-8024  
techsupport@sungenebiotech.com

**Web** | www.sungenebiotech.com

**Important Note:** Centrifuge before opening to ensure complete recovery of vial contents.  
This product is guaranteed up to one year from purchase.

**Purified Antibody Characterization**

Clone	Isotype	Reactivity
145-2C11	Hamster IgG	Mouse

**Description**

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.

**Reported Applications**

This 145-2C11 antibody has been reported for use in Flow Cytometric Analysis, Immunohistochemical Staining of Frozen Tissue Sections, Immunoprecipitation, Western Blotting. It has also been reported for use in cell activation and cell depletion.

**Product Information**

**Production Method:** Stirred tank fermentation

**Medium:** Hybridoma-SFM + 1%FCS + Gln + Gluc + P/S

**Purification Method:** Protein G

**Concentration:** 1 mg/ml

**Endotoxin:** < 2.00 EU/mg (LAL)

**Purity:** >95% (by SDS-PAGE)

**Sterile:** 0.2  $\mu$ m Filtration

**Formulated:** PBS, pH7.2

**Storage:** Keep as concentrated solution. Store at 4°C as an undiluted liquid. For extended storage aliquot contents and freeze at -20°C or lower. Avoid cycles of freezing and thawing.

**For Research Use Only.**