

LE/AF Purified Anti-Mouse TCR V $\gamma$ 1 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
M100T1-14B	50 $\mu$ g
M100T1-14E	500 $\mu$ g
M100T1-14F	1 mg

<b>Market</b>	400-621-0003 marketing@sungenebiotech.com
<b>Support</b>	022-66211636-8024 techsupport@sungenebiotech.com
<b>Web</b>	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
2.11	Hamster IgG	Mouse

## Description

T cell receptor (TCR) is a heterodimer consisting of an  $\alpha$  and  $\beta$  chain (TCR  $\alpha/\beta$ ) or a  $\gamma$  and  $\delta$  chain (TCR  $\gamma/\delta$ ). TCR associates with CD3 to form a CD3/TCR complex. The CD3/TCR plays a key role in antigen recognition, signal transduction, and T cell activation. TCR V $\gamma$ 1 (Tonegawa nomenclature) is also called TCR V $\gamma$ 1.1 (Garman nomenclature). The V $\gamma$ 1 gene almost exclusively rearranges to the J $\gamma$ 4-C $\gamma$ 4 gene. V $\gamma$ 1- J $\gamma$ 4-C $\gamma$ 4 expressing cells constitute a major population of  $\gamma/\delta$  T cells in thymus and peripheral lymphoid organs in adult mice, but they are only composed of a minor population of  $\gamma/\delta$  T cells during fetal and early postnatal life. V $\gamma$ 1 T cell development can happen in thymus-dependent and thymus-independent manners. Further studies have shown that the antibody 2.11 recognized epitope is located in Cr4 domain.

## 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.**