



# SZABO SCANDIC

Part of Europa Biosite

## Produktinformation



Forschungsprodukte & Biochemikalien



Zellkultur & Verbrauchsmaterial



Diagnostik & molekulare Diagnostik



Laborgeräte & Service

Weitere Information auf den folgenden Seiten!  
See the following pages for more information!



### Lieferung & Zahlungsart

siehe unsere [Liefer- und Versandbedingungen](#)

### Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

### SZABO-SCANDIC HandelsgmbH

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## CD3 epsilon antibody [145-2C11]

Cat. No. GTX14351

<b>Host</b>	Armenian Hamster
<b>Clonality</b>	Monoclonal
<b>Isotype</b>	IgG1
<b>Application</b>	WB, ICC/IF, IHC-Fr, FACS, IP, Activation, Depletion, Neutralizing/Inhibition
<b>Reactivity</b>	Mouse

Reference ( 10 )  
 Package  
 500 µg

## PRODUCT

## Summary

The 145-2C11 antibody is specific for mouse CD3ε, also known as CD3 epsilon, a 20 kDa subunit of the T cell receptor complex, along with CD3 gamma and CD3 delta. These integral membrane protein chains assemble with additional chains of the T cell receptor (TCR), as well as CD3 zeta chain, to form the T cell receptor – CD3 complex. Together with co-receptors CD4 or CD8, the complex serves to recognize antigens bound to MHC molecules on antigen-presenting cells. Such interactions promote T cell receptor signaling (T cell activation) and can result in a number of cellular responses including proliferation, differentiation, production of cytokines or activation-induced cell death. CD3 is differentially expressed during thymocyte-to-T cell development and on all mature T cells.

## APPLICATION

## Application Note

\*Optimal dilutions/concentrations should be determined by the researcher.

Suggested dilution	Recommended dilution
WB	Assay dependent
ICC/IF	Assay dependent
IHC-Fr	Assay dependent
FACS	Assay dependent
IP	Assay dependent
Activation	Assay dependent
Depletion	Assay dependent
Neutralizing/Inhibition	Assay dependent

Not tested in other applications.

**Calculated MW** 21 kDa. ( [Note](#) )

## Product Note

The complete 145-2C11 antibody is commonly used to stimulate T cells in vitro however, when used in vivo activation of resting T cells results in cytokine release and toxicity caused by Ab-mediated cross-linking of T cells and Fcγ receptor-bearing cells. To avoid these complications non-Fc receptor binding F(ab')<sub>2</sub> fragments of the 145-2C11 antibody are commonly used. This non-FcR-binding anti-CD3 induces apoptosis of Ag-activated T cells in vivo by allowing durable expression of the TCR and sustained signaling. Foxp3+ Tregs have been shown to be resistant to CD3 antibody-mediated depletion.



For full product information, images and publications, please visit our [website](#).

## PROPERTIES

**Form** Liquid

**Buffer** 10mM NaH<sub>2</sub>PO<sub>4</sub> (pH7.2), 150mM NaCl

**Preservative** 0.09% Sodium azide

**Storage** Store as concentrated solution. Centrifuge briefly prior to opening vial. Store at 4°C.

**Concentration** 0.5 mg/ml (Please refer to the vial label for the specific concentration.)

**Immunogen** Mouse BM10-37 cytotoxic T cells

**Purification** Purified by affinity chromatography  
From tissue culture supernatant

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

**Endotoxin** <0.002EU/μg (Determined by LAL gel clotting assay)

**Conjugation** Unconjugated

**Note**

For laboratory research use only. Not for any clinical, therapeutic, or diagnostic use in humans or animals. Not for animal or human consumption.

Purchasers shall not, and agree not to enable third parties to, analyze, copy, reverse engineer or otherwise attempt to determine the structure or sequence of the product.



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