



# CD3e Antibody [C363.29B] (Cy5)

Cat. No.: 98-582



## Ψ Specifications

<b>HOST SPECIES:</b>	Rat
<b>SPECIES REACTIVITY:</b>	Mouse
<b>IMMUNOGEN:</b>	IL-4 producing Th2 cell lines including D10
<b>TESTED APPLICATIONS:</b>	ELISA, Flow
<b>APPLICATIONS:</b>	CD3e Antibody [C363.29B] for use in flow cytometry and immunohistochemistry assays.
<b>SPECIFICITY:</b>	CD3epsilon

## Ψ Properties

<b>CLONALITY:</b>	Monoclonal
<b>ISOTYPE:</b>	IgG2b
<b>CONJUGATE:</b>	Cy5
<b>PHYSICAL STATE:</b>	Liquid
<b>BUFFER:</b>	Supplied in PBS/NaN3
<b>CONCENTRATION:</b>	0.1 mg/mL
<b>STORAGE CONDITIONS:</b>	Store vial at 2-8 °C

<b>OFFICIAL SYMBOL:</b>	Cd3e
<b>ALTERNATE NAMES:</b>	CD3 epsilon
<b>ACCESSION NO.:</b>	P22646
<b>GENE ID:</b>	12501
<b>USER NOTE:</b>	Optimal dilutions for each application to be determined by the researcher.

## Background and References

---

<b>BACKGROUND:</b>	<p>CD3epsilon, a member of the immunoglobulin superfamily of cell surface receptors, is comprised of five invariable chain ranging in size from 16-28 kDa and is closely associated with the T cell antigen receptor (TCR). It is expressed on all T cells of all mouse strains. CD3 plays a major role in signaling during antigen recognition, leading to T-cell activation. The monoclonal antibody C363.29B recognizes an epitope on the 25 kDa epsilon chain of the CD3/TCR complex. In the presence of Fc receptor-bearing accessory cells, soluble C363.29B can activate primed and naïve T cell in vitro. Immobilized C363.29B monoclonal antibody can also activate both normal T lymphocytes and cloned T cell lines provided the appropriate accessory signals are present. The monoclonal antibody is cytolytic, easily used for cell surface staining, and a good immunoprecipitating antibody.</p>
--------------------	--

### **ANTIBODIES FOR RESEARCH USE ONLY.**

For additional information, visit ProSci's [Terms & Conditions Page](#).