

Product datasheet for **AM08026PU-N**

Cd3e Rat Monoclonal Antibody [Clone ID: C363.29B (YCD3-1)]

Product data:

Product Type:	Primary Antibodies
Clone Name:	C363.29B (YCD3-1)
Applications:	FC, FN, IHC, IP
Recommended Dilution:	Flow Cytometry (Ref.1,7-12). Immunoprecipitation (Ref.1) Functional Assay: <i>In vitro</i> Depletion of CD3 ⁺ cells. (Ref.1) <i>In vitro</i> Activation of T cells (accessory cells must be provided). (Ref.1,4) Immunohistochemistry on Frozen Sections (Ref.2-4). Immunohistochemistry on Paraffin Sections (Ref.5,6).
Reactivity:	Mouse
Host:	Rat
Isotype:	IgG2b
Clonality:	Monoclonal
Immunogen:	IL-4 producing Th2 cell lines including D10
Specificity:	This antibody is specific to CD3e (Mr. 25 kD). The monoclonal antibody C363.29B recognizes an epitope on the 25kD epsilon chain of the CD3/TCR complex. (Ref.1) In the presence of Fc receptor-bearing accessory cells, soluble C363.29B can activate primed and naïve T cell in vitro. Immobilized C363.29 monoclonal antibody can also activate both normal T lymphocytes and cloned T cell lines provided the appropriate accessory signals are present. (Ref.1,3,4) The monoclonal antibody is cytolytic, easily used for cell surface staining and a good immunoprecipitating antibody. (Ref.1)
Formulation:	100 mM Borate Buffered Saline, pH 8.2. No preservatives or amine-containing buffer salts added. State: Purified State: Liquid purified Ig fraction.
Concentration:	lot specific
Conjugation:	Unconjugated



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Storage:	Store undiluted at 2-8°C for one month or (in aliquots) at -20°C for longer. Avoid repeated freezing and thawing.
Stability:	Shelf life: one year from despatch.
Gene Name:	CD3 antigen, epsilon polypeptide
Database Link:	Entrez Gene 12501 Mouse P22646
Background:	CD3e, 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. (Ref.1,2) CD3 plays a major role in signaling during antigen recognition, leading to T-cell activation.
Synonyms:	T3/Leu-4