

## Product datasheet for **AM08104PU-N**

### CD3E Mouse Monoclonal Antibody [Clone ID: PPT3]

#### Product data:

Product Type:	Primary Antibodies
Clone Name:	PPT3
Applications:	FC, FN, IHC, IP
Recommended Dilution:	<b>Flow Cytometry.</b> (Ref.1) <b>Immunohistochemistry (Acetone-Fixed, Frozen Tissue Sections).</b> <b>Immunoprecipitation</b> (Ref.1) <b><i>In vitro</i> activation of T cells.</b> (Ref.1)
Reactivity:	Porcine
Host:	Mouse
Isotype:	IgG1
Clonality:	Monoclonal
Specificity:	This antibody recognizes Porcine CD3e (Mr. 23 kDa). The Monoclonal antibody PPT3 is Mitogenic when presented to peripheral blood mononuclear cells in immobilized form. (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
Storage:	Store the antibody 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.
Database Link:	<a href="#">Q7YRN2</a>



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**Background:**

CD3 epsilon, a member of the immunoglobulin superfamily of cell surface receptors, is comprised of five invariable chains (designated as gamma, delta, epsilon, zeta and eta) ranging in size from 16-28 kDa. CD3 epsilon is closely associated with the T cell antigen receptor (TCR), and is present on thymocytes, CD8+ and CD4+ positive cells. The CD3 epsilon complex mediates signal transduction. It plays a major role in signaling during antigen recognition, leading to T cell activation. The TCR/CD3E complex of T lymphocytes consists of either a TCR alpha/beta or TCR gamma/delta heterodimer coexpressed at the cell surface with the invariant subunits of CD3 labeled gamma, delta, epsilon, zeta, and eta. CD3 epsilon is expressed on all T cells of all mouse strains.

**Synonyms:**

T3/Leu-4