

Product datasheet for **AM20601PU-N**

CD3E Mouse Monoclonal Antibody [Clone ID: CA-3]

Product data:

Product Type:	Primary Antibodies
Clone Name:	CA-3
Applications:	IHC
Recommended Dilution:	Immunohistochemistry on frozen sections: 1 µg/ml.
Reactivity:	Human, Rat
Host:	Mouse
Isotype:	IgG1
Clonality:	Monoclonal
Immunogen:	Human thymocytes followed by Sezary T cells.
Specificity:	This antibody reacts to CD3.
Formulation:	1.2 % sodium acetate, with 2 mg BSA and 0.01 mg sodium azide as preservative. State: Aff - Purified State: Lyophilized purified Ig fraction
Reconstitution Method:	Restore with 1.2% sodium acetate or neutral PBS
Concentration:	0,1 mg/ml (after reconstitution with PBS)
Purification:	Affinity chromatography
Conjugation:	Unconjugated
Storage:	Prior to reconstitution store at -20°C. Following reconstitution 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:	CD3e molecule
Database Link:	Entrez Gene 315609 Rat Entrez Gene 916 Human P07766



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Background: The alpha-beta heterodimeric T-cell antigen receptor binds antigen in association with major histocompatibility complex proteins on host cell surfaces. These 2 disulfide-linked glycoproteins, TCRA and TCRB are associated on T-cell surfaces with a complex of proteins called CD3 (formerly T3). Human CD3 consists of at least 4 proteins: gamma, delta, epsilon, and zeta. The CD3-gamma/CD3-delta gene pair is within 300 kb of the CD3-epsilon gene and therefore these genes form a tightly linked cluster on 11q23. The clustering may be significant in terms of their simultaneous activations during T-cell development.

Synonyms: T3/Leu-4

Protein Families: Druggable Genome, Transmembrane

Protein Pathways: Hematopoietic cell lineage, Primary immunodeficiency, T cell receptor signaling pathway

Product images:

