

Product datasheet for **TA399808**

CD3E Rabbit Monoclonal Antibody [Clone ID: 33H1]

Product data:

Product Type:	Primary Antibodies
Clone Name:	33H1
Applications:	ELISA, IHC, WB
Reactivity:	Human
Modifications:	This chimeric rabbit antibody was made using the variable domain sequences of the original Mouse IgG2a format for improved compatibility with existing reagents assays and techniques.
Host:	Rabbit
Isotype:	IgG, kappa
Clonality:	Monoclonal
Immunogen:	The original antibody was generated by immunizing BALB/c mice with recombinant human CD3 antigen (amino acids 23-126).
Specificity:	<p>This antibody binds human CD3e. It is part of TCR-CD3 complex present on T-lymphocyte cell surface that plays an essential role in adaptive immune response. It also plays a role in signal transduction during T cell development and in correct T-cell development.</p> <p>This binding specificity of this antibody for human CD3e was checked using ELISA. The affinity constant of the original IgG2a antibody was determined to be $1.92 \times 10^9 \text{ M}^{-1}$. This antibody can recognize human CD3e recombinant protein in an immunoblot assay. This antibody is similar to commercially available anti-CD3 antibody SP7 in immunohistochemical staining of T cell lymphomas. This antibody can also be used for the immunohistochemical staining of normal tissues like brain, heart, cerebellum, esophageal, adrenal, stomach, ovary, small intestine, pancreatic, colorectal, paratony gland, liver, pituitary, salivary gland, testicular, kidney, thyroid, prostate, breast, uterus, spleen , Bladder, tonsil, skeletal muscle, thymus (young children), skin, bone marrow, peripheral nerve, lung and melolodder cells (CN111363043).</p>
Formulation:	PBS with 0.02% Proclin 300.
Concentration:	lot specific
Conjugation:	Unconjugated
Storage:	Store at 4°C for up to 3 months. For longer storage, aliquot and store at -20°C.



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Synonyms: CD3-ε; CGMCC NO 21980; SP7; T-cell surface antigen T3/Leu-4 epsilon chain; T-cell surface glycoprotein CD3 epsilon chain; T3E