

Product datasheet for **TA320271**

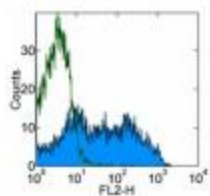
Cd3e Mouse Monoclonal Antibody [Clone ID: eBioG4.18 (G4.18)]

Product data:

Product Type:	Primary Antibodies
Clone Name:	eBioG4.18 (G4.18)
Applications:	FC
Recommended Dilution:	Flow, IHC, IP, WB
Reactivity:	Rat
Host:	Mouse
Clonality:	Monoclonal
Formulation:	Aqueous buffer, 0.09% sodium azide, may contain carrier protein/stabilizer
Concentration:	lot specific
Purification:	Affinity purified
Conjugation:	Unconjugated
Storage:	Store at -20°C as received.
Stability:	Stable for 12 months from date of receipt.
Gene Name:	CD3e molecule
Database Link:	NP_001101610 Entrez Gene 315609 Rat
Background:	The eBioG4.18 monoclonal antibody recognizes the rat CD3 protein. CD3 is a critical component of the T-cell receptor (TCR) and is a marker of the T-cell lineage. CD3 is a complex of several subunits and, upon binding of a TCR ligand, participates in transduction of signals from the TCR to the nucleus which results in a variety of cellular responses including transcription of IL-2 and clonal expansion. <i>in vitro</i> , immobilized G4.18 monoclonal antibody has been demonstrated to activate T cells, while soluble G4.18 inhibited allogeneic mixed-lymphocyte proliferative responses and cell-mediated cytotoxicity to allogeneic target cells. <i>in vivo</i> , G4.18 was demonstrated to induce long-term specific tolerance to an organ allograft.
Synonyms:	CD3-epsilon; FLJ18683; T3E; TCRE



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Product images:

Staining of rat splenocytes with 0.25 ug of Mouse IgG3 Isotype Control Purified (open histogram) or 0.25 ug of Anti-Rat CD3 Purified (filled histogram) followed by Anti-Mouse IgG Biotin and Streptavidin PE. Cells in the lymphocyte gate were used for analysis.