

Recombinant Mouse CD3E Protein, Fc-tagged

Cat. No. CD3E-144M **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Mouse CD3E protein with Fc tag was expressed in HEK293.
Species	Mouse
Source	HEK293
ProteinLength	189
Description	Predicted to enable several functions, including SH3 domain binding activity; identical protein binding activity; and protein heterodimerization activity. Involved in nervous system development and positive regulation of cell adhesion. Acts upstream of or within several processes, including positive regulation of T cell activation; positive regulation of cytokine production; and regulation of signal transduction. Located in several cellular components, including dendritic spine; external side of plasma membrane; and immunological synapse. Part of alpha-beta T cell receptor complex. Is expressed in colon and hemolymphoid system. Human ortholog(s) of this gene implicated in immunodeficiency 18. Orthologous to human CD3E (CD3e molecule).
Form	Lyophilized
Molecular Mass	36 kDa
AA Sequence	MRWNTFWGILCLSLAVGTCQDDAENIEYKVSISGTSVELTCPLDSDENLKWEKNG QELPQKHKHLLVLQDFSEVEDSGYYVCYTPASNKNTLYLKARVCEYCVEVDLTAV AIIIVDICITLGLLMVIYYWSKNRKAKAKPVTRGTGAGSRPRGQNKERPPVPNPDIYE

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	PIRKGQRDLYSGLNQRAV
Purity	> 98%
Applications	WB; ELISA; FACS; FC
Stability	This bioreagent is stable at 4 centigrade (short-term) and -70 centigrade(long-term). After reconstitution, sample may be stored at 4 centigrade for 2-7 days and below -18 centigrade for future use.
Storage	At -20 centigrade.
Concentration	1 mg/mL
Storage Buffer	PBS (pH 7.4-7.5). Sterile-filtered colorless solution.
Reconstitution	Reconstitute in sterile distilled H2O to no less than 100 µg/mL; dilute reconstituted stock further in other aqueous solutions if needed. Please review COA for lot-specific instructions. Final measurements should be determined by the end-user for optimal performance.
GENE INFORMATION	
Gene Name	Cd3e CD3 antigen, epsilon polypeptide [Mus musculus (house mouse)]
Official Symbol	CD3E
Synonyms	CD3E; CD3 antigen, epsilon polypeptide; T-cell surface glycoprotein CD3 epsilon chain; T-cell surface antigen T3/Leu-4 epsilon chain; CD3; T3e; A1504783; CD3epsilon;

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Gene ID	12501
mRNA Refseq	NM_007648
Protein Refseq	NP_031674
UniProt ID	P22646

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