Immunoway
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CD3 (PTR1374) recombinant mouse mAb

Catalog No :	YM4670
Reactivity :	Human
Applications :	FCM;ELISA
Target :	CD3
Gene Name :	CD3E T3E
Protein Name :	T-cell surface glycoprotein CD3 epsilon chain (T-cell surface antigen T3/Leu-4 epsilon chain) (CD antigen CD3e)
Human Gene Id :	916
Human Swiss Prot No :	P07766
Immunogen :	Purified recombinant Human CD3
Specificity :	This recombinant monoclonal antibody can detects endogenous levels of CD3 protein.
Formulation :	Phosphate-buffered solution
Source :	Monoclonal,Mouse,IgG1,kappa
Dilution :	ELISA 1:5000-100000;FCM 1-2µg/Test
Purification :	Recombinant Expression and Affinity purified
Concentration :	Please check the information on the tube
Storage Stability :	-15°C to -25°C/1 year(Avoid freeze / thaw cycles)
Background :	The protein encoded byThis gene is the CD3-epsilon polypeptide, which together with CD3-gamma, -delta and -zeta, and the T-cell receptor alpha/beta and gamma/delta heterodimers, forms the T-cell receptor-CD3 complex.This complex plays an important role in coupling antigen recognition to several

intracellular signal-transduction pathways. The genes encoding the epsilon, gamma and delta polypeptides are located in the same cluster on chromosome 11. The epsilon polypeptide plays an essential role in T-cell development. Defects inThis gene cause immunodeficiency.This gene has also been linked to a susceptibility to type I diabetes in women. [provided by RefSeq, Jul 2008]

Function :   The CD3 complex mediates signal transduction.,online information:CD3E mutation db,similarity:Contains 1 Ig-like (immunoglobulin-like) domain.,similarity:Contains 1 ITAM domain.,subunit:The TCR/CD3 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.,

Subcellular Location :   Cell membrane ; Single-pass type I membrane protein .

Expression :   Membranous

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