

# 36-3471: Anti-CD3e (T-Cell Marker) Monoclonal Antibody(Clone: C3e/2479)

Clonality :	Monoclonal	
Clone Name :	C3e/2479	
Application :	ELISA,WB	
Reactivity :	Human	
Gene :	CD3E	
Gene ID :	916	
Uniprot ID :	P07766	
Alternative Name :	CD3 epsilon; CD3 TCR complex; T cell antigen receptor complex epsilon subunit of T3; T-cell surface antigen T3/Leu-4 epsilon chain; T-cell surface glycoprotein CD3 epsilon chain; T3E; TCRE; TiT3 complex	
Isotype :	Mouse IgG1, kappa	
Immunogen Information : Recombinant human CD3e fragment (around aa 23-119) (exact sequence is proprietary)		

### Description

Recognizes the epsilon-chain of CD3, which consists of five different polypeptide chains (designated as gamma, delta, epsilon, zeta, and eta) with MW ranging from 16-28kDa. The CD3 complex is closely associated at the lymphocyte cell surface with the T cell antigen receptor (TCR). Reportedly, CD3 complex is involved in signal transduction to the T cell interior following antigen recognition. The CD3 antigen is first detectable in early thymocytes and probably represents one of the earliest signs of commitment to the T cell lineage. In cortical thymocytes, CD3 is predominantly intra-cytoplasmic. However, in medullary thymocytes, it appears on the T cell surface. CD3 antigen is a highly specific marker for T cells, and is present in majority of T cell neoplasms.

#### **Product Info**

Amount :	20 μg / 100 μg
Content :	200 μg/ml of Ab Purified from Bioreactor Concentrate by Protein A/G. Prepared in 10mM PBS with 0.05% BSA & 0.05% azide. Also available WITHOUT BSA & azide at 1.0mg/ml.
Storage condition :	Antibody with azide - store at 2 to 8°C. Antibody without azide - store at -20 to -80°C. Antibody is stable for 24 months. Non-hazardous.

## **Application Note**

ELISA (Use Ab at 2-4ug/ml for coating) (Order Ab without BSA); ,Western Blot (1-2ug/ml) ,

ŀ	Da	1. Strat
250		
150		
100		
75		
50		
37		
25		
20		
15		
10		

Fig. 1: Western Blot Analysis of Jurkat cell lysate using CD3e Mouse Monoclonal Antibody (C3e/2479).

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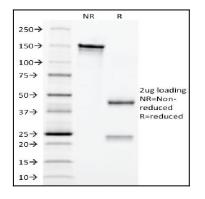


Fig. 2: SDS-PAGE Analysis Purified CD3e Mouse Monoclonal Antibody (C3e/2479). Confirmation of Integrity and Purity of Antibody.

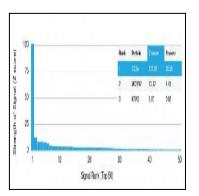


Fig. 3: Analysis of Protein Array containing more than 19,000 full-length human proteins using CD3e Mouse Monoclonal Antibody (C3e/2479) Z- and S- Score: The Zscore represents the strength of a signal that a monoclonal antibody (Monoclonal Antibody) (in combination with a fluorescently-tagged anti-IgG secondary antibody) produces when binding to a particular protein on the HuProtTM array. Z-scores are described in units of standard deviations (SD's) above the mean value of all signals generated on that array. If targets on HuProtTM are arranged in descending order of the Z-score, the S-score is the difference (also in units of SD's) between the Z-score. S-score therefore represents the relative target specificity of a Monoclonal Antibody to its intended target. A Monoclonal Antibody is considered to specific to its intended target, if the Monoclonal Antibody has an S-score of at least 2.5. For example, if a Monoclonal Antibody binds to protein X with a Z-score of 43 and to protein Y with a Z-score of 14, then the S-score for the binding of that Monoclonal Antibody to protein X is equal to 29.