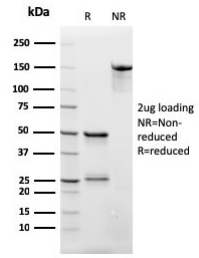
CD3 epsilon Antibody [clone rC3e/2479] (V8795)

Catalog No.	Formulation	Size
V8795-100UG	0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced), 0.05% sodium azide	100 ug
V8795-20UG	0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced), 0.05% sodium azide	20 ug
V8795SAF-100UG	1 mg/ml in 1X PBS; BSA free, sodium azide free	100 ug

Recombinant MOUSE MONOCLONAL

Bulk quote request

Availability	1-3 business days
Species Reactivity	Human
Format	Purified
Host	Mouse
Clonality	Recombinant Mouse Monoclonal
Isotype	Mouse IgG1, kappa
Clone Name	rC3e/2479
Purity	Protein A/G affinity
UniProt	P07766
Localization	Cell Surface and cytoplasm
Applications	ELISA: 2-4ug/ml (for coating order BSA-free format)
Limitations	This CD3 epsilon antibody is available for research use only.



SDS-PAGE analysis of purified, BSA-free CD3 epsilon antibody (rC3e/2479) as confirmation of integrity and purity.

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.

Application Notes

Optimal dilution of the CD3 epsilon antibody should be determined by the researcher.

Immunogen

A portion of amino acids 23-119 was used as the immunogen for the CD3 epsilon antibody.

Storage

Aliquot the CD3 epsilon antibody and store frozen at -20oC or colder. Avoid repeated freeze-thaw cycles.

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