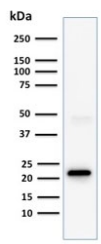
CD3e Antibody Clone C3e/1308 / CD3 Epsilon Monoclonal Antibody [clone C3e/1308] (V3287)

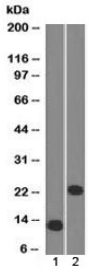
Catalog No.	Formulation	Size
V3287-100UG	0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced) and 0.05% sodium azide	100 ug
V3287-20UG	0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced) and 0.05% sodium azide	20 ug
V3287SAF-100UG	1 mg/ml in 1X PBS; BSA free, sodium azide free	100 ug

Bulk quote request

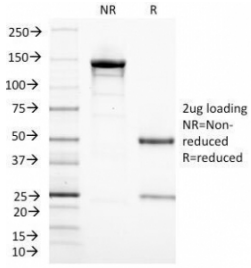
Availability	1-3 business days
Species Reactivity	Human
Format	Purified
Host	Mouse
Clonality	Monoclonal (mouse origin)
Isotype	Mouse IgG2b, kappa
Clone Name	C3e/1308
Purity	Protein G affinity chromatography
UniProt	P07766
Localization	Cell surface and cytoplasmic
Applications	Western Blot : 1-2ug/ml for 60 min at RT Flow Cytometry : 1-2ug/10^6 cells
Limitations	This CD3e antibody is available for research use only.



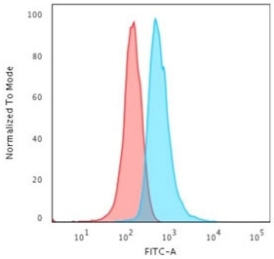
CD3e Antibody Clone C3e/1308. Western blot analysis of CD3 Epsilon / CD3E antibody in human Jurkat cell lysate using CD3e Antibody Clone C3e/1308 / CD3 Epsilon Monoclonal Antibody. Lane 1: human Jurkat cell lysate. A band is detected at approximately 23 kDa, consistent with the predicted molecular weight of CD3 epsilon. The prominent band with low background signal supports specific detection of CD3 epsilon and reliable performance of clone C3e/1308 in western blot analysis.



Western blot testing of 1) a partial recombinant protein and 2) human Jurkat cell lysate with CD3e antibody (clone C3e/1308). Predicted molecular weight ~23 kDa.



SDS-PAGE Analysis of Purified, BSA-Free CD3e Antibody (clone C3e/1308). Confirmation of Integrity and Purity of the Antibody.



CD3e Antibody Clone C3e/1308. Flow cytometry analysis of CD3 Epsilon / CD3E antibody staining in human Jurkat cells using CD3e Antibody Clone C3e/1308 / CD3 Epsilon Monoclonal Antibody. A clear rightward shift of the blue histogram compared to the isotype control (red) demonstrates specific detection of CD3-positive cells with well-resolved population separation. The distinct signal supports accurate identification and gating of T-cell populations in flow cytometry-based analysis.

Description

CD3 epsilon (CD3E) is a key signaling component of the T-cell receptor (TCR) complex that is expressed on T lymphocytes and is essential for antigen recognition and immune activation. CD3e Antibody Clone C3e/1308 / CD3 Epsilon Monoclonal Antibody enables detection of CD3 Epsilon / CD3E and supports analysis of T-cell populations across research applications. CD3e antibody, also known as CD3 epsilon antibody or CD3E antibody, is widely used as a pan-T cell marker antibody.

Within the CD3 complex, CD3 epsilon associates with CD3 gamma, CD3 delta, and CD3 zeta chains to form a signaling platform that interacts with the TCR alpha-beta or gamma-delta heterodimer. This complex initiates intracellular signaling cascades following antigen engagement, regulating T-cell activation, proliferation, and differentiation. Because of its central role in T-cell biology, CD3 epsilon is a widely studied target in immunological research.

CD3e Antibody Clone C3e/1308 provides a defined monoclonal reagent for detecting CD3 epsilon, offering an additional option for researchers seeking alternative clones. While this clone has a more limited presence in the literature compared to highly cited counterparts, it remains a valuable tool for experiments requiring consistent epitope recognition and reproducible performance.

In experimental workflows, CD3e antibody reagents are used to identify T-cell populations within complex biological samples and to support studies of immune composition and signaling. Reliable detection of CD3-positive cells is critical for interpreting immune-related data, and clone C3e/1308 contributes to this capability by providing stable and consistent target recognition.

The availability of clones with varying levels of literature representation allows researchers to tailor reagent selection to their experimental goals. In some cases, using a less commonly employed clone can provide an independent validation approach, helping to confirm results obtained with other antibodies. Clone C3e/1308 supports this strategy by expanding the available set of CD3e detection reagents.

As a monoclonal antibody, clone C3e/1308 provides reproducible performance and consistent epitope recognition across experiments. CD3e Antibody Clone C3e/1308 serves as a reliable option for detecting CD3 epsilon and supports studies of T-cell biology, immune signaling, and cellular analysis.

A full range of CD3e antibody reagents for immunohistochemistry, western blot, and flow cytometry is available on our CD3e Antibody collection page.

Application Notes

Optimal dilution of the CD3e Antibody Clone C3e/1308 / CD3 Epsilon Monoclonal Antibody should be determined by the researcher.

Immunogen

Amino acids 23-119 from human CD3 epsilon chain were used as the immunogen for the CD3e Antibody Clone C3e/1308 / CD3 Epsilon Monoclonal Antibody.

Storage

Store the CD3e antibody at 2-8oC (with azide) or aliquot and store at -20oC or colder (without azide).

Alternate Names

CD3E antibody, CD3 epsilon C3e/1308 antibody, CD3 monoclonal antibody C3e/1308, CD3 T cell marker antibody, CD3 antigen epsilon chain antibody