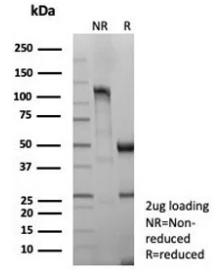
Recombinant CD8 alpha Antibody / Cytoplasmic domain [clone rCD8/9211] (V5398)

Catalog No.	Formulation	Size
V5398-100UG	0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced), 0.05% sodium azide	100 ug
V5398-20UG	0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced), 0.05% sodium azide	20 ug
V5398SAF-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 IgG2b, kappa
Clone Name	rCD8/9211
Purity	Protein A/G affinity
UniProt	P01732
Localization	Cell Surface
Applications	1-2ug/ml
Limitations	This recombinant CD8 alpha antibody is available for research use only.



SDS-PAGE analysis of purified recombinant CD8 alpha antibody (clone rCD8/9211) as confirmation of integrity and purity.

Description

CD8 is a cell surface receptor expressed either as a heterodimer with the CD8 beta chain (CD8 alpha/beta) or as a

homodimer (CD8 alpha/alpha). A majority of thymocytes and a subpopulation of mature T cells and NK cells express CD8a. CD8 binds to MHC class 1 and through its association with protein tyrosine kinase p56lck plays a role in T cell development and activation of mature T cells. For mature T-cells, CD4 and CD8 are mutually exclusive, so anti-CD8, generally used in conjunction with anti-CD4. It is a useful marker for distinguishing helper/inducer T-lymphocytes, and most peripheral T-cell lymphomas are CD4+/CD8-. Anaplastic large cell lymphoma is usually CD4+ and CD8-, and in T-lymphoblastic lymphoma/leukemia, CD4 and CD8 are often co-expressed. CD8 is also found in littoral cell angioma of the spleen.

Application Notes

Optimal dilution of the recombinant CD8 alpha antibody should be determined by the researcher.

Immunogen

A recombinant fragment corresponding to the C-terminal cytoplasmic domain of the alpha chain of human CD8 was used as the immunogen for the recombinant CD8 alpha antibody.

Storage

Aliquot the recombinant CD8 alpha antibody and store frozen at -20oC or colder. Avoid repeated freeze-thaw cycles.

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