

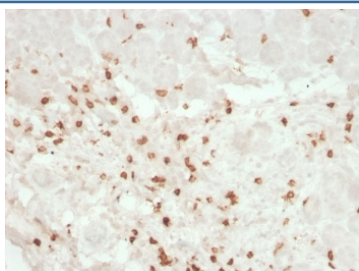
Recombinant CD8A Antibody [clone rC8/468] (V3548)

Catalog No.	Formulation	Size
V3548-100UG	0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced) and 0.05% sodium azide	100 ug
V3548-20UG	0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced) and 0.05% sodium azide	20 ug
V3548SAF-100UG	1 mg/ml in 1X PBS; BSA free, sodium azide free	100 ug
V3548IHC-7ML	Prediluted in 1X PBS with 0.1 mg/ml BSA (US sourced) and 0.05% sodium azide; *For IHC use only*	7 ml

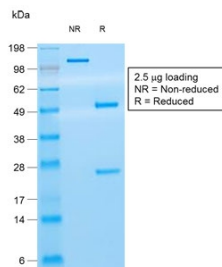
Recombinant **MOUSE MONOCLONAL**

[Bulk quote request](#)

Species Reactivity	Human
Format	Purified
Clonality	Recombinant Mouse Monoclonal
Isotype	Mouse IgG1, kappa
Clone Name	rC8/468
Purity	Protein G affinity chromatography
Buffer	1X PBS, pH 7.4
UniProt	P01732
Localization	Cell surface
Applications	ELISA : 2-4ug/ml (order BSA/azide-free format) Immunohistochemistry (FFPE) : 1-2ug/ml for 30 min at RT
Limitations	This recombinant CD8A antibody is available for research use only.



IHC testing of FFPE human colon tissue with recombinant CD8A antibody (clone rC8/468). Required HIER: boil tissue sections in pH9 EDTA, for 10-20 min followed by cooling at RT for 20 min.



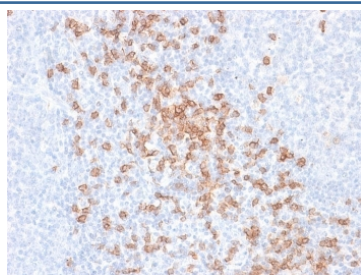
SDS-PAGE analysis of purified, BSA-free recombinant CD8A antibody (clone rC8/468) as confirmation of integrity and purity.

Human Protein Microarray Specificity Validation



Analysis of HuProt(TM) microarray containing more than 19,000 full-length human proteins using recombinant CD8A antibody (clone rC8/468). These results demonstrate the foremost specificity of the rC8/468 mAb.

Z- and S- score: The Z-score represents the strength of a signal that an antibody (in combination with a fluorescently-tagged anti-IgG secondary Ab) produces when binding to a particular protein on the HuProt(TM) array. Z-scores are described in units of standard deviations (SD's) above the mean value of all signals generated on that array. If the targets on the HuProt(TM) are arranged in descending order of the Z-score, the S-score is the difference (also in units of SD's) between the Z-scores. The S-score therefore represents the relative target specificity of an Ab to its intended target.



IHC testing of FFPE human tonsil tissue with recombinant CD8A antibody (clone rC8/468). Required HIER: boil tissue sections in 10mM citrate buffer, pH 6.0, for 10-20 min followed by cooling at RT for 20 min.

Description

Recombinant CD8A antibody is designed to detect CD8 alpha, a transmembrane glycoprotein expressed on cytotoxic T lymphocytes. CD8A pairs with CD8 beta to form a heterodimeric coreceptor that stabilizes interactions between the T cell receptor and peptide MHC class I complexes. This association enhances antigen recognition and ensures effective immune surveillance against virally infected and malignant cells. Because of its critical role in adaptive immunity, CD8A is a widely studied marker in immunology and oncology.

Structurally, CD8A is composed of an extracellular immunoglobulin like domain, a transmembrane region, and a cytoplasmic tail. Its interaction with MHC class I molecules strengthens T cell receptor engagement, while its intracellular region links to kinases such as Lck to amplify downstream signaling. Through these mechanisms, CD8A contributes to the activation, proliferation, and cytotoxic function of T cells.

The Recombinant CD8A antibody clone rC8/468 ensures precise and consistent recognition of CD8 alpha. Recombinant manufacturing reduces lot to lot variation and provides reliable performance across experiments. Clone rC8/468 has been applied in studies of thymic T cell development, peripheral immune responses, and tumor infiltrating lymphocytes. Its reproducibility makes it a dependable reagent for examining CD8 positive T cells in diverse research contexts.

Research using clone rC8/468 has expanded understanding of cytotoxic lymphocyte function in viral defense, vaccination responses, and cancer. CD8A detection is also valuable in immunopathology, where deficiencies or alterations in CD8 T cells contribute to disease progression. This antibody continues to aid investigations into how CD8 T cells shape host defense and how they may be harnessed in immunotherapy.

NSJ Bioreagents supplies this Recombinant CD8A antibody to support high quality studies of immune regulation. The protein is also referenced as CD8 alpha chain antibody, cytotoxic T cell marker antibody, T cell surface glycoprotein

CD8A antibody, and cluster of differentiation 8A antibody, reflecting the varied terminology used by researchers.

Application Notes

The concentration stated for each application is a general starting point. Variations in protocols, secondaries and substrates may require the recombinant CD8A antibody to be titrated up or down for optimal performance.

1. The prediluted format is supplied in a dropper bottle and is optimized for use in IHC. After epitope retrieval step (if required), drip mAb solution onto the tissue section and incubate at RT for 30 min.

Immunogen

Human recombinant protein was used as the immunogen for this recombinant CD8A antibody.

Storage

Store the recombinant CD8A antibody at 2-8°C (with azide) or aliquot and store at -20°C or colder (without azide).

References (1)