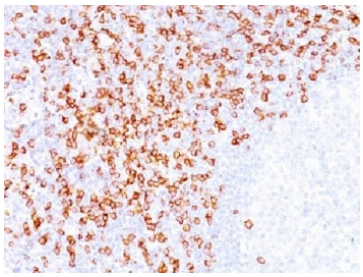
CD8A Antibody Clone C8/144B / Highly Published Cytotoxic T Cell Marker Antibody [clone C8/144B] (V2383)

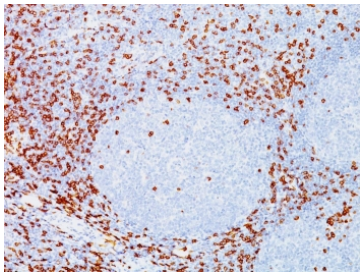
Catalog No.	Formulation	Size
V2383-100UG	0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced) and 0.05% sodium azide	100 ug
V2383-20UG	0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced) and 0.05% sodium azide	20 ug
V2383SAF-100UG	1 mg/ml in 1X PBS; BSA free, sodium azide free	100 ug
V2383IHC-7ML	Prediluted in 1X PBS with 0.1 mg/ml BSA (US sourced) and 0.05% sodium azide; *For IHC use only*	7 ml

Bulk quote request

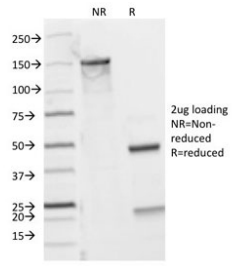
Availability	1-3 business days
Species Reactivity	Human
Format	Purified
Host	Mouse
Clonality	Monoclonal (mouse origin)
Isotype	Mouse IgG1, kappa
Clone Name	C8/144B
Purity	Protein G affinity chromatography
Buffer	1X PBS, pH 7.4
UniProt	P01732
Localization	Cell surface
Applications	Flow cytometry: 0.5-1ug/10^6 cells Immunofluorescence: 0.5-1ug/ml Immunohistochemistry (FFPE): 1-2ug/ml for 30 min at RT
Limitations	This CD8 antibody is available for research use only.



CD8A Antibody Tonsil IHC. Immunohistochemistry analysis of CD8 alpha (CD8A) in FFPE human tonsil tissue shows strong membranous staining of cytotoxic T lymphocytes distributed within lymphoid regions, consistent with expected localization of CD8-positive T cells in secondary lymphoid tissue and supporting identification of immune cell populations in immune-rich tissue. The highly published clone C8/144B supports reliable and reproducible detection across established immunohistochemistry workflows (clone C8/144B).



IHC testing of FFPE tonsil tissue with highly published CD8 antibody clone C8/144B.



SDS-PAGE analysis of purified, BSA-free CD8 antibody (clone C8/144B) as confirmation of integrity and purity.

Description

CD8 alpha (CD8A) is a transmembrane glycoprotein expressed on cytotoxic T lymphocytes where it functions as a co-receptor for T cell receptor signaling through interaction with MHC class I molecules. CD8A Antibody is widely used to detect this key immune marker in studies of T cell biology, immune infiltration, and lymphocyte characterization. CD8A antibody, also referred to as CD8 alpha antibody or CD8 antigen antibody, is a foundational reagent for identifying cytotoxic T cells across tissue-based and cell-based experimental systems.

CD8A is localized to the plasma membrane and plays a central role in antigen recognition and T cell activation, making it one of the most widely studied immune surface markers. Because CD8A is routinely analyzed across immunohistochemistry, flow cytometry, immunofluorescence, and western blot workflows, antibody reliability and reproducibility are critical factors influencing experimental outcomes. This is particularly important in studies involving tumor-infiltrating lymphocytes and immune profiling, where accurate detection of CD8-positive cells directly impacts data interpretation.

This mouse monoclonal antibody, clone C8/144B, has been extensively used in peer-reviewed research, with a very large number of publications supporting its performance across multiple applications and biological systems. The depth of literature associated with this clone provides strong evidence of consistent target recognition and reproducibility, making it a benchmark reagent for CD8A detection. Positioning this antibody as a Highly Published Cytotoxic T Cell Marker Antibody emphasizes its status as a trusted and widely adopted tool in immunology research.

The extensive publication record of clone C8/144B is particularly valuable for researchers who require continuity with established methodologies. Using a highly cited clone facilitates direct comparison with previously published data and supports reproducibility across independent studies. This is especially important in translational and clinical research settings, where alignment with existing literature strengthens confidence in experimental findings.

CD8A Antibody clone C8/144B is well suited for applications involving immune profiling, tumor microenvironment

analysis, and evaluation of cytotoxic T cell infiltration. In immunohistochemistry, it supports clear identification of CD8-positive lymphocytes within tissues, while in flow cytometry it enables precise immunophenotyping of T cell populations. Its consistent performance across platforms makes it a reliable choice for multi-assay workflows.

By emphasizing the high publication volume associated with clone C8/144B, this page targets researchers who prioritize well-characterized reagents with extensive validation in the literature. This creates a strong differentiation from other CD8A antibody pages and positions the clone as a reference standard for cytotoxic T cell detection in both basic and applied research.

This antibody is part of a broader selection of immune cell marker antibodies designed to support studies of T cell biology, immune infiltration, and tumor immunology, including application-specific CD8A antibody reagents for IHC, FACS, WB, and IF.

Application Notes

The concentration stated for each application is a general starting point. Variations in protocols, secondaries and substrates may require the CD8A Antibody Clone C8/144B / Highly Published Cytotoxic T Cell Marker Antibody to be titered up or down for optimal performance.

1. Staining of formalin-fixed tissues requires boiling tissue sections in 10mM citrate buffer, pH 6.0, for 10-20 min followed by cooling at RT for 20 minutes.
2. 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

A 13 amino acid peptide from the C-terminal cytoplasmic domain of the alpha chain was used as immunogen for this CD8A Antibody Clone C8/144B / Highly Published Cytotoxic T Cell Marker Antibody.

Storage

CD8 antibody with azide can be stored at 2-8oC. The azide-free format should be aliquoted and stored at -20oC or colder.

Alternate Names

CD8A clone C8/144B antibody, CD8 alpha highly published antibody, CD8A validated research antibody, CD8A literature supported antibody, CD8 cytotoxic T cell marker antibody

References (1)

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