



CD8 Ab-1 (Clone C8/144B)

Mouse Monoclonal Antibody

Catalog #DLN-09534, DLN-09535, or DLN-09533 (0.1ml, 0.5ml, or 1.0ml)

Cat. #DLN-16611, or DLN-16612 (0.1ml, or 0.5ml at 200µg/ml) (Purified Ab with BSA and Azide)

Catalog #DLN-09532 (7.0ml)

Description: CD8 molecule consists of two chains, termed α and β chain, which are expressed as a disulphide-linked α/β heterodimer or as an α/α homodimer on T cell subset (cytotoxic/suppressor T cells), thymocytes and NK cells. The majority of CD8+ T cells expresses CD8 as α/β heterodimer. CD8 functions as a coreceptor in concert with TCR for binding the MHC class I/peptide complex. The HIV-2 envelope glycoprotein binds CD8 α chain (but not β chain).

Comments: Ab-1 is excellent for staining of formalin-fixed, paraffin-embedded tissues.

Mol. Wt. of Antigen: 32kDa

Epitope: C-terminal

Species Reactivity: Human. Does not react with Rat. Others-not known.

Clone Designation: C8/144B

Ig Isotype / Light Chain: IgG₁ / κ

Immunogen: A 13 amino acid synthetic peptide from the C-terminal cytoplasmic domain of alpha chain of human CD8 molecule.¹

Applications and Suggested Dilutions:

- Immunohistology (Formalin/paraffin)
(Ab 1:50 for 60 min at RT)
- * [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 min.]

The optimal dilution for a specific application should be determined by the investigator.

Positive Control: Lymph node or tonsil.

Cellular Localization: Cell membrane.

Supplied As:

Tissue culture supernatant with 0.09% azide,

or

Prediluted antibody which is ready-to-use for staining of formalin-fixed, paraffin-embedded tissues.



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Storage and Stability:

Store vial at 4°C. When stored at 2-8°C, this antibody is stable for 24 months.

Key References:

1. Mason DY, *et. al.* Journal of Clinical Pathology, 1992, 45(12):1084-8.

Limitations and Warranty:

Our products are intended FOR RESEARCH USE ONLY and are not approved for clinical diagnosis, drug use or therapeutic procedures. No products are to be construed as a recommendation for use in violation of any patents. We make no representations, warranties or assurances as to the accuracy or completeness of information provided on our data sheets and website. Our warranty is limited to the actual price paid for the product. Dianova is not liable for any property damage, personal injury, time or effort or economic loss caused by our products.

Material Safety Data:

This product is not licensed or approved for administration to humans or to animals other than the experimental animals. Standard Laboratory Practices should be followed when handling this material. The chemical, physical, and toxicological properties of this material have not been thoroughly investigated. Appropriate measures should be taken to avoid skin and eye contact, inhalation, and ingestion. The material contains 0.09% sodium azide as a preservative. Although the quantity of azide is very small, appropriate care should be taken when handling this material as indicated above. The National Institute of Occupational Safety and Health has issued a bulletin citing the potential explosion hazard due to the reaction of sodium azide with copper, lead, brass, or solder in the plumbing systems. Sodium azide forms hydrazoic acid in acidic conditions and should be discarded in a large volume of running water to avoid deposits forming in metal drainage pipes.

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