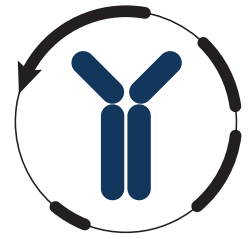


# Datasheet



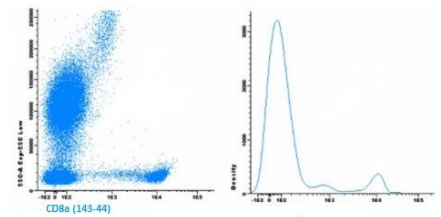
Mouse mAb to **CD8a**  
Clone **143-44**  
Isotype **IgG1-κ**

## Source

A BALB/c mouse was immunized with human PBL,  
Fusion partner: NS-1.

## Specifications

143-44 recognizes a protein of 32 kDa, identified as CD8a. The CD8 molecule consists of  $\alpha$  and  $\beta$ -chains, which are disulphide-linked into heterodimers or homodimers. CD8 is expressed on a T-cell subset (cytotoxic/suppressor T-cells), thymocytes and NK-cells. The majority of CD8+ T-cells express CD8 as heterodimer. Some subpopulation of CD8+ T-cells as well as NK-cells may express homodimer. CD8 functions as a co-receptor in concert with TCR for binding the MHC class I/peptide complex. The HIV-2 envelope glycoprotein binds CD8  $\alpha$ -chain but not  $\beta$ -chain. 124-1D1 was assigned at the IV<sup>th</sup> International Workshop.



**Figure 1:** Human PBLs stained with 143-44 (FACS).

## Species reactivity

Positive: human.

## Applications

Characterization of leukemia and lymphoma.

Flow cytometry	Frozen sections	Immunofluorescence	Paraffin sections
+	+	+	+

## Format

Produced in tissue culture, contains no host Ig. Antibodies are affinity purified and presented in PBS with 0,02% sodium azide.

Stored at 4°C-8°C, shelf life is at least 24 months after purchase.

## Dilution advice

- Flow cytometry (0,5-1,0  $\mu$ g/million cells in 0,1 ml).
- Immunofluorescence (0,5-1,0  $\mu$ g/ml).
- Immunohistology (1-2  $\mu$ g/ml for 30 min at RT; staining of formalin-fixed tissues requires boiling tissue sections in 10mM Citrate Buffer, pH6,0, for 10-20 min followed by cooling at RT for 20 minutes).

## Positive control

HuT78 or hPBL. Tonsil.

# Datasheet



## References

- Knapp W. et al. Leucocyte typing IV, p. 1076, Oxford University Press, Oxford (1989).