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Diagnostik & molekulare Diagnostik



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Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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Mouse anti CD8

Catalogue number: **MUB2055P**

Clone	RIV11
Isotype	IgG1
Product Type	Primary Antibodies
Units	0.5ml
Host	Mouse
Species reactivity	Human
Application	ELISA Flow cytometry Immunocytochemistry Immunohistochemistry (frozen)

Distributors

For Purchasing Information, please contact your local distributor

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Background

CD8 is a 32kDa cell surface transmembrane glycoprotein expressed by most thymocytes, a subpopulation of mature peripheral blood T-cells and natural killer (NK) cells. CD8 is expressed on the cell surface as a heterodimer, comprising two distinct disulphide linked α and β polypeptide chains, or as a CD8 α homodimer. The CD8 $\alpha\beta$ heterodimer is expressed on T-cell receptor (TCR) $\alpha\beta^+$ cytotoxic T-lymphocytes (CTL's), whereas CD8 α homodimers are expressed on TCR $\gamma\delta^+$ T-cells, natural killer cells and a subpopulation of TCR $\alpha\beta^+$ T-cells. The CD8 molecule functions as a co-receptor (with the T-cell receptor) as part of the antigen-recognition complex on TCR $\alpha\beta^+$, class I MHC-restricted T cells and plays an important role in T-cell signaling. The CD8 Ig-like domain binds to the alpha-3 domain of MHC-Class 1.

Source

RIV11 is a mouse monoclonal IgG1 antibody derived by fusion of 653 mouse myeloma cells with splenocytes from a BALB/c mouse immunized with human peripheral blood lymphocytes.

Product

Each vial contains 500 μ l 0.2 mg/ml purified monoclonal antibody in phosphated buffered saline (PBS) containing 50% glycerol + 0.2% bovine serum albumin (BSA) + 0.02% sodium azide.

Applications

The RIV11 antibody is suitable for the detection of total CD8 by flow cytometry and ELISA. The antibody is also suitable for the detection of CD8 by immunocytochemistry and immunohistochemistry on frozen tissues. Human lymph node,

spleen and peripheral blood lymphocytes are suitable for use as positive controls. Optimal antibody dilutions for the different applications should be determined by titration.

Specificity

The antibody RIV11 is directed against human CD8 and recognises all CD8 positive T-cells, thymocytes and natural killer cells.

Storage

Store at 4oC, or in small aliquots at -20oC.

References

1. Yurchenko OV, Shlapatska LM, Skryma MR, Berdova GG, Kovalevska LM, Tarasova TA, Yurchenko MY, Kulik GI, Sidorenko SP. 2003 Immunohistochemical studies of CD150 expression in some human tumors. Exp Oncol.25:186 – 190.

Caution

This product is intended FOR RESEARCH USE ONLY, and FOR TESTS IN VITRO, not for use in diagnostic or therapeutic procedures involving humans or animals. This datasheet is as accurate as reasonably achievable, but Nordic-MUbio accepts no liability for any inaccuracies or omissions in this information.