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Produktinformation



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Diagnostik & molekulare Diagnostik



Laborgeräte & Service

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Lieferung & Zahlungsart

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Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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CD8 alpha antibody [RPA-T8] (PE-Cy7)

Cat No. GTX01467-10

Host	Mouse
Clonality	Monoclonal
Isotype	IgG1
Application	FACS
Reactivity	Human, Baboon, Chimpanzee, Cynomolgus monkey, Rhesus Monkey, Sooty Mangabey

Reference (6)
 Package
 100 test

PRODUCT

Summary

The RPA-T8 antibody is specific for the 32-34 kDa alpha chain of human CD8, known as CD8a or CD8 alpha. CD8a can form a homodimer (CD8 alpha-alpha), but is more commonly expressed as a heterodimer with a second chain known as CD8b or CD8 beta. CD8 acts as a co-receptor for antigen recognition and subsequent T cell activation that is initiated upon binding of the T cell receptor (TCR) to antigen-bearing MHC Class I molecules. The cytoplasmic domains of CD8 provide binding sites for the tyrosine kinase lck, facilitating intracellular signaling events that lead to T cell activation, development, and cytotoxic effector functions. CD8+ cytotoxic T cells (CTLs) play an important role in inducing cell death of tumor cells, as well as cells infected by virus, bacteria or parasites. The RPA-T8 antibody is widely used as a phenotypic marker for CD8 on cytotoxic T cells, thymocytes, as well as on certain cell types that do not also express the TCR, including some NK cells and lymphoid dendritic cells. It is cross-reactive with CD8 in several non-human species, including Baboon, Chimpanzee, Cynomolgus and Rhesus. If used together with an alternative Anti-Human CD8a clone, Hit8a, the RPA-T8 antibody will not block binding of Hit8a to CD8a.

APPLICATION

Application Note

*Optimal dilutions/concentrations should be determined by the researcher.

Suggested dilution	Dilution
FACS	0.125 µg (5 µl) for 10 ⁵ -10 ⁸ cells in 100 µl sample per test
Not tested in other applications.	

Calculated MW 26 kDa. ([Note](#))

PROPERTIES

Form	Liquid
Buffer	10 mM NaH ₂ PO ₄ (pH 7.2), 150 mM NaCl, 0.09% sodium azide, 0.1% gelatin
Storage	Store as concentrated solution. Centrifuge briefly prior to opening vial. Store at 4°C. DO NOT FREEZE. Protect from light.
Concentration	0.025 mg/ml (Please refer to the vial label for the specific concentration.)
Purification	Purified by affinity chromatography From tissue culture supernatant
Conjugation	Phycoerythrin-Cyanine7 (PE-Cy7)

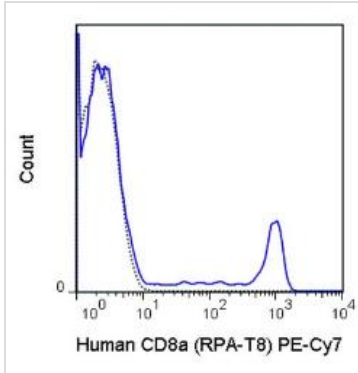


For full product information, images and publications, please visit our [website](#).

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Note For laboratory use only. Not for any clinical, therapeutic, or diagnostic use in humans or animals. Not for animal or human consumption.

DATA IMAGES

**GTX01467-10 FACS Image**

FACS analysis of human peripheral blood lymphocytes using GTX01467-10 CD8 alpha antibody [RPA-T8] (PE-Cy7).

Solid line : primary antibody

Dashed line : isotype control

antibody amount : 0.125 μ g (5 μ l)



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