

## PerCP/Cyanine5.5 anti-human CD8

Analyte Specific Reagent. Analytical and performance characteristics are not established.

980918 / 500 µL Catalog# / Size

Clone SK1

Other Names T8, Leu2

Isotype Mouse IgG1, κ

Description CD8a is a 32-34 kD type I glycoprotein. It forms a homodimer (CD8a/a) or

heterodimer (CD8a/b) with CD8b. CD8, also known as T8 and Leu2, is a member of the immunoglobulin superfamily found on the majority of thymocytes, a subset of peripheral blood T cells, and NK cells (which express almost exclusively CD8a homodimers). CD8 acts as a co-receptor with MHC class I-restricted T cell receptors in antigen recognition and T cell activation and has been shown to play a role in thymic differentiation. Two domains in CD8a are important for function: the extracellular lgSF domain binds the  $\alpha 3$  domain of MHC class I and the

cytoplasmic CXCP motif binds the tyrosine kinase p56 Lck.

## **Product Details**

Reactivity Human

**Formulation** Phosphate-buffered solution, pH 7.2, containing True-Stain Monocyte Blocker™,

0.09% sodium azide, 0.2% (w/v) BSA (origin USA), and a stabilizer.

Preparation The antibody was purified by affinity chromatography and conjugated with

PerCP/Cyanine5.5 under optimal conditions.

Concentration 50 µg/mL

Storage & Handling The antibody solution should be stored undiluted between 2°C and 8°C, and

protected from prolonged exposure to light. Do not freeze.

**Application** Suggested for Flow Cytometry

Disclaimer WARNINGS AND PRECAUTIONS

> 1. Use appropriate personal protective equipment and safety practices per universal precautions when working with this reagent. Refer to the reagent safety data sheet.

2. This antibody contains sodium azide. Follow federal, state and local regulations to dispose of this reagent. Sodium azide build-up in metal wastepipes may lead to explosive conditions; if disposing of reagent down wastepipes, flush with water

after disposal.

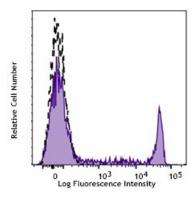
3. All specimens, samples and any material coming in contact with them should be considered potentially infectious and should be disposed of with proper precautions and in accordance with federal, state and local regulations.

4. Do not use this reagent beyond the expiration date stated on the label.

Do not use this reagent if it appears cloudy or if there is any change in the appearance of the reagent as these may be an indication of possible

deterioration.

6. Avoid prolonged exposure of the reagent or stained cells to light.



Typical results from human peripheral blood lymphocytes stained either with SK1 PerCP/Cyanine5.5 used at 5 µL/test (filled histogram) or with an isotype control (open histogram).

## Symbols Glossary\*

Symbol	Meaning	Symbol Title	Symbol No.	Symbol	Meaning	Symbol Title	Symbol No.
REF	Catalog number	Catalogue number	5.1.6	<u>i</u>	Indicates the need for the user to consult the instructions for use.	Consult instructions for use	5.4.3
X	Indicates the temperature limits to which the medical device can be safely exposed.	Temperature limit	5.3.7	溇	Indicates a medical device that needs protection from light sources.	Keep away from sunlight	5.3.2
K	Indicates the upper limit of temperature to which the medical device can be safely exposed.	Upper limit of temperature	5.3.6	Ω	Indicates the date after which the medical device is not to be used.	Use-by date	5.1.4
<b></b>	Indicates the medical device manufacturer.	Manufacturer	5.1.1	EC REP	Indicates the authorized representative in the European Community.	Authorized representative in the European Community	5.1.2
LOT	Indicates the manufacturer's batch code so that the batch or lot can be identified.	Batch code	5.1.5	IVD	Indicates a medical device that is intended to be used as an in vitro diagnostic medical device.	In vitro diagnostic medical device	5.5.1

\* Symbol information is from EN ISO 15223-1:2016 Medical devices – Symbols to be used with medical device labels, labelling and information to be supplied – Part 1: General requirements

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