



SZABO SCANDIC

Part of Europa Biosite

Produktinformation



Forschungsprodukte & Biochemikalien



Zellkultur & Verbrauchsmaterial



Diagnostik & molekulare Diagnostik



Laborgeräte & Service

Weitere Information auf den folgenden Seiten!
See the following pages for more information!



Lieferung & Zahlungsart

siehe unsere [Liefer- und Versandbedingungen](#)

Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

SZABO-SCANDIC HandelsgmbH

Quellenstraße 110, A-1100 Wien

T. +43(0)1 489 3961-0

F. +43(0)1 489 3961-7

mail@szabo-scandic.com

www.szabo-scandic.com

[linkedin.com/company/szaboscandic](https://www.linkedin.com/company/szaboscandic) 

CD27 antibody [O323] (APC-Cy7)

Cat No. GTX01457-15

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

Reference (7)

Package

100 test

PRODUCT

Summary

The O323 antibody reacts with human CD27 (TNFRSF7), a cell surface homodimer of ≥ 55 kDa subunits, which provides co-stimulatory signaling in support of the T cell (TCR) and B cell (BCR) receptors. By comparison with CD28, whose TCR co-stimulatory signal can trigger cell proliferation, CD27 signaling appears to promote cell survival and differentiation to effector / memory stages. Also in contrast with CD28, the CD27 receptor may be shed following interaction with its ligand CD70, which is typically expressed on activated dendritic cells, T cells and B cells. With respect to B cells, CD27 is considered to be a phenotypic marker for memory B cells. CD27 has been included within a group of phenotypic markers for identifying human B regulatory cells (Bregs), a cell type proposed to regulate CD4+ T cell proliferation and Foxp3 / CTLA-4 expression in Treg cells. The O323 antibody may be used for analysis of CD27 expression on peripheral T cells, and is frequently used in combination with antibodies for IgD and IgM to distinguish naive vs. memory B cell populations. For identification of Breg cells, this antibody has been used in combination with antibodies for CD25, CD1d, IL-10 and TGF-beta. The antibody is also reported for cross-reactivity with Baboon, Cynomolgus and Rhesus CD27.

APPLICATION

Application Note

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

Suggested dilution	Dilution
FACS	0.125 μ g (5 μ l) for 10^5 - 10^8 cells in 100 μ l sample per test

Not tested in other applications.

Calculated MW 29 kDa. ([Note](#))

PROPERTIES

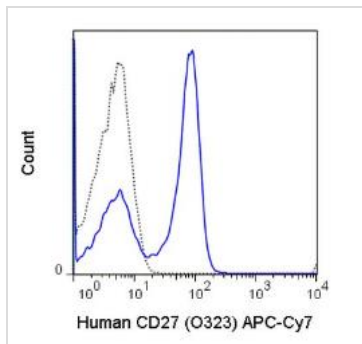
Form	Liquid
Buffer	10 mM NaH ₂ PO ₄ (pH 7.2), 150 mM NaCl, 0.09% sodium azide, 0.1% gelatin
Storage	Store as concentrated solution. Centrifuge briefly prior to opening vial. Store at 4°C. DO NOT FREEZE. Protect from light.
Concentration	0.025 mg/ml (Please refer to the vial label for the specific concentration.)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



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

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

**GTX01457-15 FACS Image**

FACS analysis of human peripheral blood lymphocytes using GTX01457-15 CD27 antibody [O323] (APC-Cy7).

Solid line : primary antibody

Dashed line : isotype control

antibody amount : 0.125 μ g (5 μ l)



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