Oct4 monoclonal antibody (03)

This monoclonal antibody specifically detects Oct4, a transcription factor essential for maintaining the pluripotency and self-renewal of embryonic stem cells. It is widely used in stem cell research and developmental biology.

Oct4 (Octamer-binding transcription factor 4) is a POU-domain transcription factor crucial for maintaining the undifferentiated state of embryonic stem cells. It is expressed in the inner cell mass of blastocysts and in induced pluripotent stem cells (iPSCs). Dysregulation of Oct4 has been implicated in various cancers and is used as a marker for pluripotency.

This antibody is covered by our Worry-Free Guarantee.

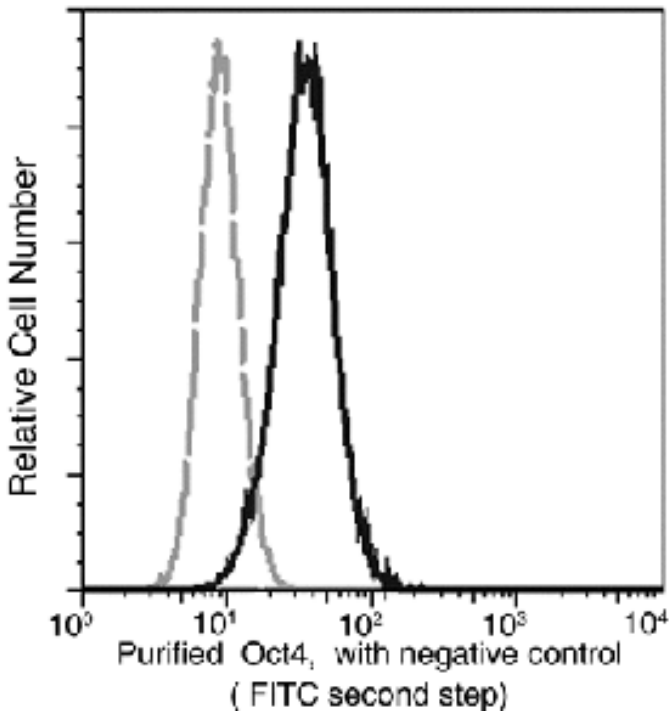
Ordering Information

Order Online »

ENZ-ABS1063-0100	100µl

Manuals, SDS & CofA

View Online »



Flow cytometric analysis of Oct4 in human embryonic stem (ES) cells. Human embryonic stem (ES) cells were fixed and permeabilized with BD Cytofix/Cytoperm™ Fixation/Permeabilization buffer (BD Pharmingen™ Cat. No. 554714), and stained with Purified Mouse anti-Oct4 monoclonal antibody, then a FITC-conjugated second step antibody. The fluorescence histograms were derived from gated events with the forward and side light-scatter characteristics of intact cells.

Handling & Storage

Handling	Avoid freeze-thaw cycles.
Long Term Storage	-20°C
Shipping	Blue Ice

Regulatory Status

RUO - Research Use Only

Product Details

Alternative Name	Octamer-binding protein 4, POU domain class 5 transcription factor 1, POU5F1, Oct-3, Octamer-binding transcription factor 3, OTF-3
Application	Flow Cytometry
Clone	03
Formulation	Liquid. 0.2 µm filtered solution in PBS. Carrier-free. Preservative-free.
Host	Mouse
Immunogen	Synthetic peptide corresponding to the C-terminus of human Oct4.
Isotype	IgG
Purity Detail	Protein A purified.
Recommendation Dilutions/Conditions	Flow Cytometry (1:25-1:100) Suggested dilutions/conditions may not be available for all applications. Optimal conditions must be determined individually for each application.
Species Reactivity	Human
Worry-free Guarantee	**This antibody is covered by our Worry-Free Guarantee .**

Last modified: March 28, 2025

ENZO LIFE SCIENCES, INC.
Phone: 800.942.0430
info-usa@enzolifesciences.com

European Sales Office
ENZO LIFE SCIENCES (ELS) AG
Phone: +41 61 926 8989
info-eu@enzolifesciences.com

Belgium, The Netherlands & Luxembourg
Phone: +32 3 466 0420
info-be@enzolifesciences.com

France
Phone: +33 472 440 655
info-fr@enzolifesciences.com

Germany
Phone: +49 7621 5500 526
info-de@enzolifesciences.com

UK & Ireland
Phone (UK customers): 0845 601 1488
Phone: +44 1392 825900
info-uk@enzolifesciences.com

For local distributors and detailed product information visit us online: enzo.com All product names, logos, and brands are the property of their respective owners.