

Anti-Human Progesterone Receptor-145Nd

Catalog: 3145011A

Package Size: 50 tests

Storage: Store product at 4°C. Do not freeze.

Reactivity: Monkey

Clone: D8Q2J

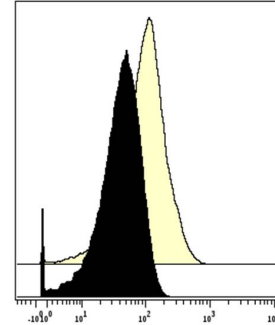
Isotype: IgG

Formulation: Antibody stabilizer with 0.05% Sodium Azide

Technical Information

Validation: Each lot of conjugated antibody is quality control tested by CyTOF[®] analysis of stained cells using the appropriate positive and negative cell staining and/or activation controls.

Recommended Usage: The suggested use is 1 µl for up to 3 X 10⁶ live cells in 100 µl. It is recommended that the antibody be titrated for optimal performance for each of the desired applications.



Progesterone Receptor (D8Q2J)-145Nd

Human HeLa cells (top) and human Jurkat cells (bottom) were fixed, permeabilized, and stained with ¹⁴⁵Nd-anti-Progesteron Receptor (D8Q2J).

Description

The progesterone receptor (PR), also known as NR3C3 (nuclear receptor subfamily 3, group C, member 3), is a steroid receptor that binds progesterone. The steroid hormones and their receptors are involved in the regulation of eukaryotic gene expression and affect cellular proliferation and differentiation in target tissues. Human PR is expressed as two isoforms: the full length PR-B and the short form PR-A. Although the two isoforms have similar DNA- and ligand-binding affinities, they differ in transcriptional activities. Progesterone receptor isoform B (PR-B) is involved activation of c-SRC/MAPK signaling on hormone stimulation, while PR-A functions as a strong transdominant repressor of PR-B.

References

Bandura, D. R., et al. Mass Cytometry: Technique for Real Time Single Cell Multitarget Immunoassay Based on Inductively Coupled Plasma Time-of-Flight Mass Spectrometry. *Analytical Chemistry* 81:6813-6822, 2009.

Ornatsky, O. I., et al. **Highly Multiparametric Analysis by Mass Cytometry.** *J Immunol Methods* 361 (1-2):1-20, 2010.

For technical support visit fluidigm.com/support

EMAIL
 United States support.northamerica@fluidigm.com | Europe support.europe@fluidigm.com
 Asia techsupportasia@fluidigm.com | Latin America techsupportlatam@fluidigm.com
 All other countries techsupport@fluidigm.com

PHONE
 United States (toll-free) +1 866 358 4354 | Europe +33 1 60 92 42 40
 Japan +81 3 3662 2150 | China (excluding Hong Kong) +86 21 3255 8368
 All other countries +1 650 266 6100

For Research Use Only. Not for use in diagnostic procedures.

This product contains antibodies manufactured by and sold under license from Cell Signaling Technology and licensees thereof.

Information in this publication is subject to change without notice. **Safety data sheet information** fluidigm.com/sds **Patent and license information** fluidigm.com/legalnotices | Fluidigm, the Fluidigm logo, Cell-ID, CyTOF, and Maxpar are trademarks or registered trademarks of Fluidigm Corporation in the United States and/or other countries. All other trademarks are the sole property of their respective owners. © 2015 Fluidigm Corporation. All rights reserved. 06/2015