

# Anti-Human HER2/ErbB2-148Nd

Catalog: 3148011A

Clone: 29D8

Package Size: 50 tests

Isotype: IgG

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

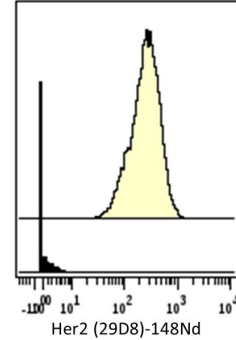
Formulation: Antibody stabilizer with 0.05% Sodium Azide

Reactivity: Rat, Mouse, Human

## Technical Information

**Validation:** Each lot of conjugated antibody is quality control tested by CyTOF<sup>®</sup> 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 10<sup>6</sup> live cells in 100 µl. It is recommended that the antibody be titrated for optimal performance for each of the desired applications.



Human MCF-7 (top) and human Jurkat cells (bottom) were fixed, permeabilized, and stained with 148Nd-anti-Her2 (29D8).

## Description

Human epidermal growth factor receptor 2 (Her2), also known as receptor tyrosin-protein kinase ErbB-2, is a member of the human epidermal growth factor receptor (HER/EGFR/ERBB) family. Heterodimerization of Her2 with any of other ErbB receptors results in the autophosphorylation of tyrosine residues within the cytoplasmic domain of the receptors, and couples Her2 to the Ras-Raf-MAP kinase signal transduction pathway. Her2 is an oncogene that is overexpressed and amplified in up to 30% of human breast cancers.

## 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](http://fluidigm.com/support)

EMAIL **United States and other countries not in Europe or Asia** [techsupport@fluidigm.com](mailto:techsupport@fluidigm.com) | **Europe** [techsupporteurope@fluidigm.com](mailto:techsupporteurope@fluidigm.com) | **Asia** [techsupportasia@fluidigm.com](mailto:techsupportasia@fluidigm.com)  
 PHONE **United States (toll-free)** +1 866 358 4354 | **Europe** +33 1 60 92 42 40 | **Japan** +81 3 3662 2150 | **China** +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](http://fluidigm.com/sds) | **Patent and license information** [fluidigm.com/legalnotices](http://fluidigm.com/legalnotices) | Fluidigm, the Fluidigm logo, and CyTOF are trademarks or registered trademarks of Fluidigm Corporation in the United States and/or other countries. © 2015 Fluidigm Corporation. All rights reserved. 01/2015