

Anti-Human CD301-167Er

Catalog: 3167015B

Package Size: 100 tests

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

Reactivity: Human,

Clone: H037G3

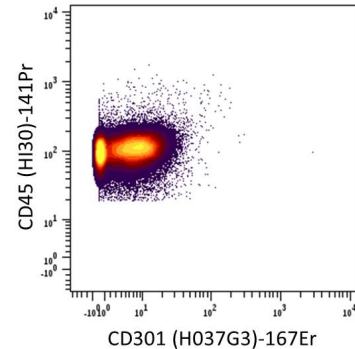
Isotype: IgG2a

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.



Human THP-1 monocyte-derived macrophages stained with 141Pr-anti-CD45 (HI30) and 167Er-anti-CD301 (H037G3). Total CD45+ viable cells are displayed in the analysis.

Description

CLEC10a (C-type lectin domain family member 10a) is also known as CD301, macrophage galactose/N-acetylgalactosamine (GalNAc) specific lectin (MGL), DCASGPR, and HML. It is a 40 kD type II transmembrane glycoprotein and is expressed on immature myeloid dendritic cells and alternatively activated (tolerogenic) macrophages. CLEC10a binds in a calcium-dependent manner to terminal galactose and N-acetylgalactosamine units, linked to serine or threonine. These sugar moieties are known as Tn-Ag and are expressed in a variety of carcinoma cells.

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.

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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

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