

Anti-Human CD354-172Yb

Catalog: 3172022B

Package Size: 100 tests

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

Reactivity: Human, Canine

Clone: TREM-26

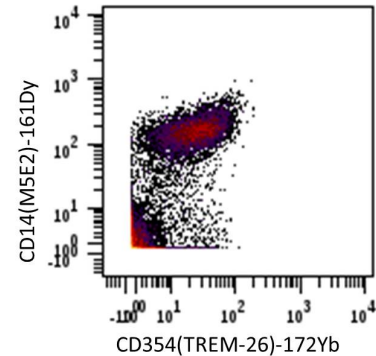
Isotype: IgG1

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 PBMCs stained with 172Yb-anti-CD354(TREM-26) and 161Dy-anti-CD14(M5E2). Total viable cells are displayed in the analysis.

Description

The TREM-26 monoclonal antibody specifically binds to TREM-1 (Triggering Receptor Expressed on Myeloid Cells 1 or Triggering Receptor Expressed on Monocytes 1). TREM-1 is also known as CD354. TREM-1 is a 30kD type I transmembrane glycoprotein that belongs to the immunoglobulin superfamily. TREM-1 is highly expressed by neutrophils and monocytes and there are reports of lower level TREM-1 expression by a variety of cells including subsets of T and B cells, NK cells and dendritic cells. Its expression is upregulated on leucocytes in response to LPS, which can be triggered by microbial infections or sepsis. CD354 activation leads to the release of proinflammatory cytokines and chemokines.

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 and other countries not in Europe or Asia** techsupport@fluidigm.com **Europe** techsupporteurope@fluidigm.com | **Asia** 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 BioLegend 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, 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