

Anti-Mouse CD36-147Sm

Catalog: 3147018B

Package size: 100 tests

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

Clone: HM36

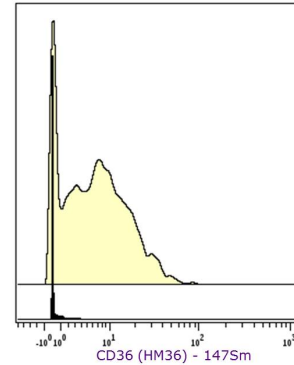
Isotype: Hamster IgG

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.



Mouse J774A.1 macrophage cells (top) and mouse TE-71 cells (bottom) were stained with 147Sm-anti-CD36 (HM36). Total viable cells are displayed in the analysis.

Description

CD36, also known as FAT, FAT/CD36, SCARB3, GP88, gpIV and gpIIb, is an 85 kDa integral membrane protein belonging to the class B scavenger receptor family of cell surface proteins. CD36 is expressed on a variety of cell types, including monocytes, macrophages, erythroid precursors, platelets, dendritic cells and various epithelial and endothelial cell types. CD36 binds to a number of ligands, including collagen types I, IV and V, thrombospondin, oxidized LDL, long-chain fatty acids and apoptotic cells to facilitate their internalization and removal.

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 (2009): 6,813–22.

Ornatsky, O. I., et al. Highly Multiparametric Analysis by Mass Cytometry. *Journal of Immunological Methods* 361 (2010): 1–20.

For technical support visit fluidigm.com/support.

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