

Anti-Human SR-AI/MSR-156Gd

Catalog: 3156025B

Package Size: 100 tests

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

Reactivity: Human,

Clone: 351615

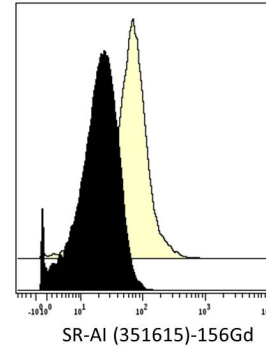
Isotype: IgG2b

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 (top) and human THP-1 cells (bottom) stained with 156Gd-anti-SR-AI (351615).

Description

SR-AI, also known as Type I Class A Macrophage Scavenger Receptor (MSR-AI), is a 70-80 kDa protein that belongs to the transmembrane scavenger receptor (SR) family. The human gene for SR-A gives rise to three alternatively spliced isoforms (I, II, and III). SR-AI is a type II transmembrane glycoprotein containing an N-terminal cytoplasmic domain, transmembrane domain, spacer domain, α-helical coiled coil domain, collagen-like domain, and C-terminal cysteine-rich domain. SR-As are expressed by most tissue macrophages and dendritic cells. SR-As bind a broad range of polyanionic ligands and therefore have been implicated in many physiological and pathophysiological functions.

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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