

Rabbit anti-Human CD8a(scFv) mAb

Catalog NO.: A28577

Basic Information

Observed MW

Refer to figures

Calculated MW

26 kDa

Category

Monoclonal Antibodies

Applications

FC

Cross-Reactivity

Human

Conjugation

Unconjugated

Clone number

ARC55251(scFv)

Background

The CD8 antigen is a cell surface glycoprotein found on most cytotoxic T lymphocytes that mediates efficient cell-cell interactions within the immune system. The CD8 antigen acts as a coreceptor with the T-cell receptor on the T lymphocyte to recognize antigens displayed by an antigen presenting cell in the context of class I MHC molecules. The coreceptor functions as either a homodimer composed of two alpha chains or as a heterodimer composed of one alpha and one beta chain. Both alpha and beta chains share significant homology to immunoglobulin variable light chains. This gene encodes the CD8 alpha chain. Multiple transcript variants encoding different isoforms have been found for this gene. The major protein isoforms of this gene differ by the presence or absence of a transmembrane domain and thus differ in being a membrane-anchored or secreted protein.

Recommended Dilutions

FC 1:100 - 1:500

Immunogen Information

Gene ID

925

Swiss Prot

P01732

Immunogen

Synonyms

CD8; p32; Leu2; CD8alpha; CD8A

Contact

Product Information

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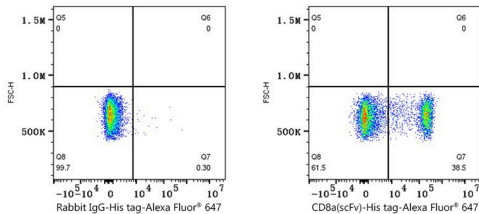
Source

Isotype
IgG

Purification
Affinity purification

Storage
Store at 2-8°C. Avoid freeze / thaw cycles.
Buffer: PBS, pH 7.3.

Validation Data



Flow cytometry: 1X10⁶ Human PBMC were surface-stained with Rabbit IgG isotype control (AC042,2 µg/mL,left) or Rabbit anti-Human CD8a(scFv) mAb (A28577,2 µg/mL,right), followed by Alexa Fluor® 647 His tag staining. Cells in the lymphocyte gate were used for analysis.

