

Rabbit anti-Human CD8a(scFv) mAb

Catalog No.: A28577

Basic Information

Observed MW

Refer to figures

Calculated MW

26 kDa

Category

Primary antibody

Applications

FC

Cross-Reactivity

Human

CloneNo number

ARC55251(scFv)-01

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

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Product Information

Source

Isotype

IgG

Purification

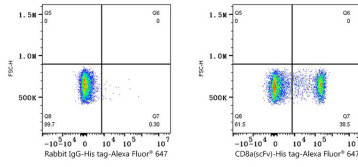
Affinity purification

Storage

Store at 2-8°C. Avoid freeze / thaw cycles.

Buffer: PBS, pH 7.3.

Validation Data



Flow cytometry: 1×10^6 Human PBMC were surface-stained with Rabbit IgG isotype control (AC042,2 $\mu\text{g}/\text{mL}$,left) or Rabbit anti-Human CD8a(scFv) mAb (A28577,2 $\mu\text{g}/\text{mL}$,right), followed by Alexa Fluor® 647 His tag staining. Cells in the lymphocyte gate were used for analysis.