ABflo® 700 Rabbit anti-Human/Monkey CD8a mAb

Catalog NO.: A27568

Basic Information

Observed MW

Calculated MW
21kDa/25kDa/30kDa

Category
Monoclonal Antibodies

Applications
FC

Cross-Reactivity
Human, Cynomolgus

Conjugation
ABflo® 700. Ex:690nm. Em:713nm.

Clone number
ARC55248

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	5 µl per 10^6 cells in 100 µl volume

Immunogen Information

Gene ID
Hu 925 /Cyno 102124337

Swiss Prot
P01732

Immunogen
Recombinant protein (or fragment).This information is considered to be commercially sensitive.

Synonyms
CD8; p32; Leu2; CD8alpha

Contact

Product Information

order@abclonal.com
service@abclonal.com
www.abclonal.com

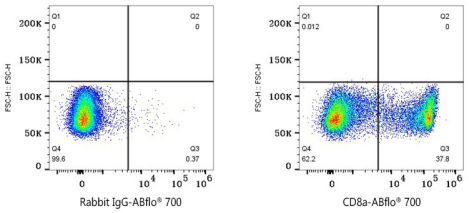
Source
Rabbit

Isotype
IgG

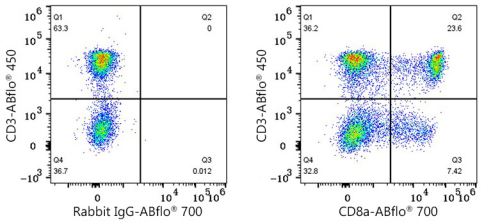
Purification
Affinity purification

Storage
Store at 2-8°C. Avoid freeze.
Buffer: PBS containing 0.2% BSA, preserved with proclin300 or sodium azide (as specified on the Certificate of Analysis), pH 7.3.

Validation Data



Flow cytometry: 1X10^6 Human PBMC were surface-stained with ABflo® 700 Rabbit IgG isotype control (A25976,5 µl/Test,left) or ABflo® 700 Rabbit anti-Human/Monkey CD8a mAb (A27568,5 µl/Test,right). Cells in the lymphocyte gate were used for analysis.



Flow cytometry: 1X10^6 Cynomolgus peripheral blood mononuclear cells were surface-stained with ABflo® 450 Rabbit anti-Human/Monkey CD3 mAb (A27177,5 µl/Test) and ABflo® 700 Rabbit IgG isotype control (A25976,5 µl/Test,left) or ABflo® 700 Rabbit anti-Human/Monkey CD8a mAb (A27568,5 µl/Test,right). Cells in the lymphocyte gate were used for analysis.

For research use only. Not for therapeutic or diagnostic purposes.

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