

ABflo® 488 anti-Mouse CD45.1 Antibody

Catalog No.: A28522

Basic Information

Observed MW

Calculated MW

130 kDa/140 kDa/144 kDa

Category

Primary antibody

Applications

FC

Cross-Reactivity

Mouse

CloneNo number

AMC0904

Conjugate

ABflo® 488. Ex:491nm. Em:516nm.

Recommended Dilutions

FC 1 µg per million cells in
100 µl volume

Background

Enables several functions, including heparan sulfate proteoglycan binding activity; heparin binding activity; and protein tyrosine phosphatase activity. Involved in several processes, including lymphocyte differentiation; positive regulation of macromolecule metabolic process; and regulation of signal transduction. Acts upstream of or within several processes, including lymphocyte differentiation; positive regulation of lymphocyte activation; and regulation of protein phosphorylation. Located in external side of plasma membrane; focal adhesion; and membrane raft. Is expressed in several structures, including 3rd branchial arch; alimentary system; cardiovascular system; hemolymphoid system; and placenta. Used to study systemic lupus erythematosus. Human ortholog(s) of this gene implicated in hepatitis C; multiple sclerosis; severe combined immunodeficiency; and severe combined immunodeficiency, autosomal recessive, T cell-negative, B cell-positive, Nk cell-positive. Orthologous to human PTPRC (protein tyrosine phosphatase receptor type C).

Immunogen Information

Gene ID

19264

Swiss Prot

P06800

Immunogen

Synthetic peptide. This information is considered to be commercially sensitive.

Synonyms

loc; B220; Cd45; L-CA; Ly-5; T200; CD45R; Lyt-4

Contact

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Product Information

Source

Mouse

Isotype

Mouse (A.SW) IgG2a, κ

Purification

Affinity purification

Storage

Store at 2-8°C. Avoid freeze.

Buffer: PBS with 0.09% Sodium azide and BSA ,pH7.2.