For Research Use Only.
Not for use in diagnostic procedures.

MBL
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Anti-CD8a (Human) mAb-FITC

CODE No. K0226-4

CLONALITY Monoclonal
CLONE Hit8a
ISOTYPE Mouse IgG1 κ
QUANTITY 1 mL

FORMULATION 100 tests in 1 mL volume of PBS containing 1% BSA and 0.1% ProClin 150.
STORAGE This antibody solution is stable for one year from the date of purchase when stored at 4°C.

APPLICATION-CONFIRMED

Flow cytometry 10 µL (ready for use)

SPECIES CROSS REACTIVITY on FCM

Species	Human		Mouse	Rat	Others
Samples	Sup-T1, PBMC	Jurkat	Not tested	Not tested	Not tested
Reactivity	+	–			

Entrez Gene ID 925 (Human)

Please visit our web site https://ruo.mbl.co.jp/.

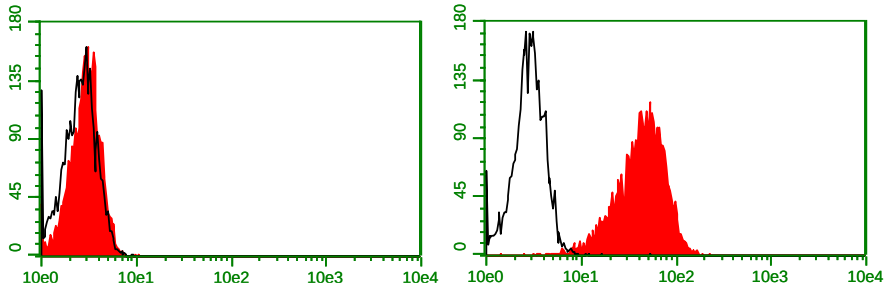
The descriptions of the following protocols are examples. Each user should determine the appropriate condition.

Flow cytometric analysis for floating cells

We usually use Fisher tubes or equivalents as reaction tubes for all steps described below.

1) Wash the cells 3 times with 1 mL of washing buffer [PBS containing 2% fetal calf serum (FCS) and 0.05% NaN_3].
   *Azide may react with copper or lead in plumbing system to form explosive metal azides. Therefore, always flush plenty of water when disposing materials containing azide into drain.
2) Resuspend the cells with washing buffer (3 x 10^6 cells/mL).
3) Add 70 µL of the cell suspension into each tube, and centrifuge at 400 x g for 3 minutes at room temperature (20~25°C). Remove supernatant by careful aspiration.
4) Add 20 µL of Clear Back (human Fc receptor blocking reagent, MBL; code no. MTG-001) to the cell pellet after tapping. Mix well and incubate for 5 minutes at room temperature.
5) Add 10 µL of Anti-CD8a (Human) mAb-FITC as suggested in the **APPLICATION**. Mix well and incubate for 30 minutes at room temperature.
6) Add 1 mL of the washing buffer followed by centrifugation at 400 x g for 3 minutes at room temperature. Remove supernatant by careful aspiration.
7) Resuspend the cells with 500 µL of washing buffer containing 1% 7-AAD, and analyze by a flow cytometer.

(Positive control for Flow cytometry; Sup-T1)



Flow cytometric detection of human CD8a in floating cells

Cell
Left: Jurkat
Right: Sup-T1
Antibody
Open: isotype control (M075-4)
Closed: K0226-4

Flow cytometric analysis for floating cells

We usually use Fisher tubes or equivalents as reaction tubes for all steps described below.

1) Prepare peripheral blood mononuclear cells (PBMC) according to established procedures.
2) Wash the cells 3 times with 1 mL of washing buffer [PBS containing 2% fetal calf serum (FCS) and 0.05% NaN_3].
   *Azide may react with copper or lead in plumbing system to form explosive metal azides. Therefore, always flush plenty of water when disposing materials containing azide into drain.
3) Resuspend the cells with washing buffer (3 x 10^6 cells/mL).
4) Add 70 µL of the cell suspension into each tube, and centrifuge at 400 x g for 3 minutes at room temperature (20~25°C). Remove supernatant by careful aspiration.
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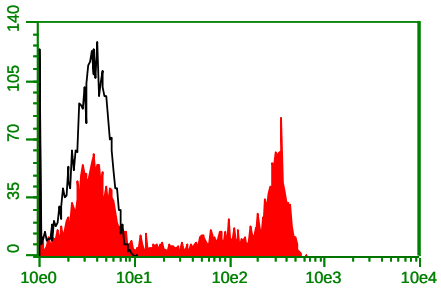
8) Resuspend the cells with 500 µL of washing buffer containing 1% 7-AAD, and analyze by a flow cytometer.



Flow cytometric detection of human CD8a in PBMC

Open: isotype control (M075-4)
Closed: K0226-4