

CD305/LAIR1 Rabbit mAb

Catalog No.: A23775 **Recombinant**

Basic Information

Observed MW

40-50kDa

Calculated MW

23kDa/29kDa/31kDa

Category

Primary antibody

Applications

ELISA, WB, FC

Cross-Reactivity

Human

CloneNo number

ARC61434

Background

The protein encoded by this gene is an inhibitory receptor found on peripheral mononuclear cells, including natural killer cells, T cells, and B cells. Inhibitory receptors regulate the immune response to prevent lysis of cells recognized as self. The gene is a member of both the immunoglobulin superfamily and the leukocyte-associated inhibitory receptor family. The gene maps to a region of 19q13.4 called the leukocyte receptor cluster, which contains at least 29 genes encoding leukocyte-expressed receptors of the immunoglobulin superfamily. The encoded protein has been identified as an anchor for tyrosine phosphatase SHP-1, and may induce cell death in myeloid leukemias. Alternative splicing results in multiple transcript variants.

Recommended Dilutions

WB	1:1000 - 1:5000
FC	1:100 - 1:500

Immunogen Information

Gene ID

3903

Swiss Prot

Q6GTX8

Immunogen

Recombinant fusion protein containing a sequence corresponding to amino acids 22-163 of human CD305/LAIR1(NP_002278.2).

Synonyms

LAIR1; CD305; LAIR-1; leukocyte-associated immunoglobulin-like receptor 1; CD305/LAIR1

Contact

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Product Information

Source

Rabbit

Isotype

IgG

Purification

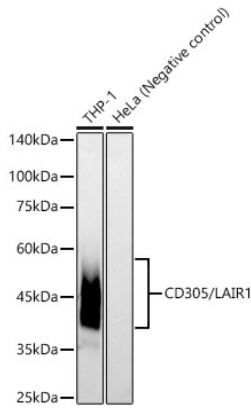
Affinity purification

Storage

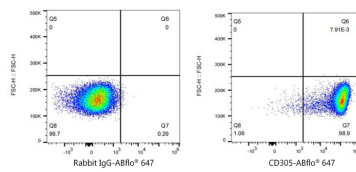
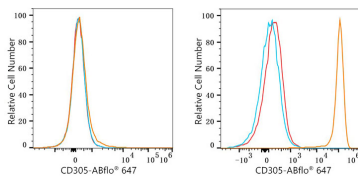
Store at -20°C. Avoid freeze / thaw cycles.

Buffer: PBS with 0.05% proclin300, 0.05% BSA, 50% glycerol, pH7.3.

Validation Data



Western blot analysis of various lysates, using CD305/LAIR1 Rabbit mAb (A23775) at 1:2000 dilution.
 Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution.
 Lysates/proteins: 25µg per lane.
 Blocking buffer: 3% nonfat dry milk in TBST.
 Detection: ECL Basic Kit (RM00020).
 Exposure time: 30s.



Flow cytometry: 1×10^6 K-562 cells (negative control, left) and THP-1 cells (right) were surface-stained with ABflo® 647 Rabbit anti-CD305/LAIR1 Rabbit mAb (A23775, 2 µg/mL, orange line) or ABflo® 647 Rabbit IgG isotype control (A22070, 2 µg/mL, blue line). Non-fluorescently stained cells were used as blank control (red line).

Flow cytometry: 1×10^6 THP-1 cells were surface-stained with ABflo® 647 Rabbit IgG isotype control (A22070, 2 µg/mL, left) or CD305/LAIR1 Rabbit mAb (A23775, 2 µg/mL, right).