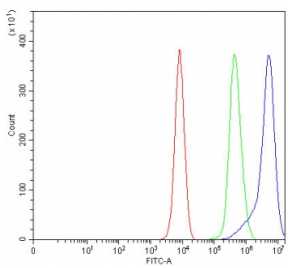
LAIR1 Antibody / CD305 (RQ8559)

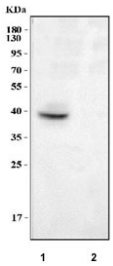
Catalog No.	Formulation	Size
RQ8559	0.5mg/ml if reconstituted with 0.2ml sterile DI water	100 ug

Bulk quote request

Availability	1-3 days
Species Reactivity	Human
Format	Antigen affinity purified
Host	Rabbit
Clonality	Polyclonal (rabbit origin)
Isotype	Rabbit IgG
Purity	Antigen affinity purified
Buffer	Lyophilized from 1X PBS with 2% Trehalose
UniProt	Q6GTX8
Applications	Western blot: 0.5-1ug/ml Flow cytometry: 1-3ug/million cells ELISA: 0.1-0.5ug/ml
Limitations	This LAIR1 antibody is available for research use only.



Flow cytometry testing of fixed and permeabilized human K562 cells with LAIR1 antibody at 1ug/million cells (blocked with goat sera); Red=cells alone, Green=isotype control, Blue= LAIR1 antibody.



Western blot testing of human 1) ThP-1 and 2) HeLa cell lysate with LAIR1 antibody. Predicted molecular weight ~31 kDa but may be observed at higher molecular weights due to glycosylation.

Description

Leukocyte-associated immunoglobulin-like receptor 1 is a protein that in humans is encoded by the LAIR1 gene. 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.

Application Notes

Optimal dilution of the LAIR1 antibody should be determined by the researcher.

Immunogen

An E.coli-derived human recombinant protein (amino acids Q142-H287) was used as the immunogen for the LAIR1 antibody.

Storage

After reconstitution, the LAIR1 antibody can be stored for up to one month at 4oC. For long-term, aliquot and store at -20oC. Avoid repeated freezing and thawing.

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