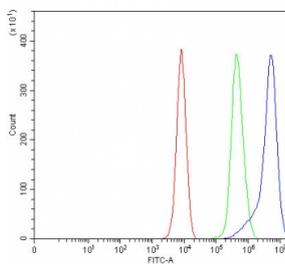


## LAIR1 Antibody / CD305 (RQ8559)

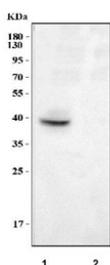
Catalog No.	Formulation	Size
RQ8559	0.5mg/ml if reconstituted with 0.2ml sterile DI water	100 ug

[Bulk quote request](#)

<b>Availability</b>	1-3 days
<b>Species Reactivity</b>	Human
<b>Format</b>	Antigen affinity purified
<b>Host</b>	Rabbit
<b>Clonality</b>	Polyclonal (rabbit origin)
<b>Isotype</b>	Rabbit IgG
<b>Purity</b>	Antigen affinity purified
<b>Buffer</b>	Lyophilized from 1X PBS with 2% Trehalose
<b>UniProt</b>	Q6GTX8
<b>Applications</b>	Western Blot : 0.5-1ug/ml Flow Cytometry : 1-3ug/million cells ELISA : 0.1-0.5ug/ml
<b>Limitations</b>	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.