

# LAIR-1 KO Mouse

**Catalogue number:** 153476

**Sub-type:** Mouse

**Images:**

## Contributor

**Inventor:** Steve Watson

**Institute:** University of Birmingham

**Images:**

## Tool details

**\*FOR RESEARCH USE ONLY**

**Name:** LAIR-1 KO Mouse

**Alternate name:** Leukocyte-associated immunoglobulin-like receptor-1, LAIR-1, LAIR1, CD35, cluster of differentiation 35,

CancerTools.org

**Class:**

**Conjugate:**

**Description:** Leukocyte-associated immunoglobulin-like receptor-1, or LAIR-1, is a collagen receptor expressed on hematopoietic cells which can differentiate to peripheral mononuclear cells like NK, T and B cells. LAIR-1 is also expressed on immature megakaryocytes but undetectable on platelets, the physiological role that LAIR-1 plays on megakaryocytes and platelet formation is currently poorly understood. LAIR-1 belongs to the inhibitory immunoreceptor tyrosine-based inhibition motif-containing receptor family. The inhibitory receptor regulates the immune response preventing lysis of cells recognized as self. LAIR-1 inhibits signalling via the immunoreceptor tyrosine-based activation motif-containing receptor complex, glycoprotein VI-FcR-chain. The gene which encodes LAIR-1 is encoded in the leukocyte receptor cluster which also encodes at least 29 other genes encoding leukocyte-expressed receptors from the immunoglobulin superfamily. LAIR-1 is known to interact with PTPN11 and PTPN6.

**Purpose:**

**Parental cell:**

**Organism:**

**Tissue:**

**Model:** Knock-Out

**Gender:**

**Isotype:**

**Reactivity:**

**Selectivity:**

**Host:**

**Immunogen:**

**Immunogen UNIPROT ID:**

**Sequence:**

**Growth properties:**

**Production details:**

**Formulation:**

**Recommended controls:**

**Bacterial resistance:**

**Selectable markers:**

**Additional notes:**

## Target details

**Target:** Leukocyte-associated immunoglobulin-like receptor-1

**Target alternate names:**

**Target background:**

**Molecular weight:**

**Ic50:**

## Applications

**Application:**

**Application notes:**

## Handling

**Format:**

**Concentration:**

**Passage number:**

**Growth medium:**

**Temperature:**

**Atmosphere:**

**Volume:**

**Storage medium:**

**Storage buffer:**

**Storage conditions:**

**Shipping conditions:** Embryo/Spermatozoa- Dry Ice

## Related tools

**Related tools:**

## References

**References:**

CancerTools.org