

Datasheet for ABIN5510751
IL23R ELISA Kit[Go to Product page](#)[1 Image](#)[1 Publication](#)

Overview

Quantity:	96 tests
Target:	IL23R
Binding Specificity:	AA 25-373
Reactivity:	Mouse
Method Type:	Sandwich ELISA
Application:	ELISA

Product Details

Purpose:	Sandwich High Sensitivity ELISA kit for Quantitative Detection of Mouse IL-23R
Brand:	PicoKine™
Analytical Method:	Quantitative
Detection Method:	Colorimetric
Specificity:	Expression system for standard: NS0, Immunogen sequence: I25-I373
Cross-Reactivity (Details):	There is no detectable cross-reactivity with other relevant proteins.
Characteristics:	Tissue Specificity: Expressed by Th1, Th2 and dendritic cells.

Target Details

Target:	IL23R
Alternative Name:	Il23r (IL23R Products)
Background:	Protein Function: Associates with IL12RB1 to form the interleukin-23 receptor. Binds IL23 and

Target Details

mediates T-cells, NK cells and possibly certain macrophage/myeloid cells stimulation probably through activation of the Jak-Stat signaling cascade. IL23 functions in innate and adaptive immunity and may participate in acute response to infection in peripheral tissues. IL23 may be responsible for autoimmune inflammatory diseases and be important for tumorigenesis (By similarity). .

Background: Interleukin-23 subunit alpha is a protein that in humans is encoded by the IL23A gene. The protein encoded by this gene is a subunit of the receptor for IL23A/IL23. This protein pairs with the receptor molecule IL12RB1/IL12Rbeta1, and both are required for IL23A signaling. This protein associates constitutively with Janus kinase 2 (JAK2), and also binds to transcription activator STAT3 in a ligand-dependent manner.

Synonyms: Interleukin-23 receptor, IL-23 receptor, IL-23R, IL23r,

Full Gene Name: interleukin 23 receptor

Cellular Localisation: Cell membrane, Single-pass type I membrane protein.

UniProt: [Q8K4B4](#)

Pathways: [Regulation of Leukocyte Mediated Immunity](#), [Positive Regulation of Immune Effector Process](#), [Activated T Cell Proliferation](#)

Application Details

Plate: Pre-coated

Restrictions: For Research Use only

Handling

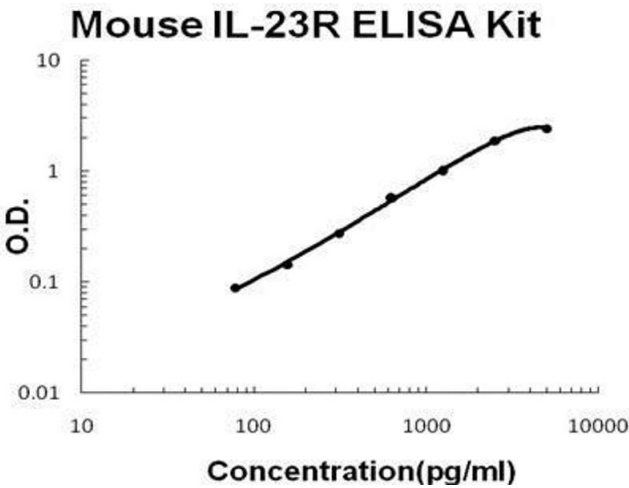
Storage: 4 °C,-20 °C

Storage Comment: Store at 4°C for 6 months, at -20°C for 12 months. Avoid multiple freeze-thaw cycles(Shipped with wet ice.)

Expiry Date: 12 months

Publications

Product cited in: Wang, Deng, Wang, Wu, Gu, Jiang, Li: "MicroRNA-155 in exosomes secreted from helicobacter pylori infection macrophages immunomodulates inflammatory response." in: **American journal of translational research**, Vol. 8, Issue 9, pp. 3700-3709, (2016) ([PubMed](#)).



ELISA

Image 1. Mouse IL-23R PicoKine ELISA Kit standard curve