



Rabbit Anti-Rat IL1R2 monoclonal antibody, clone S272 (CABT-ZB717)

This product is for research use only and is not intended for diagnostic use.

PRODUCT INFORMATION

Specificity	It reacts with Rat IL1R2
Target	IL1R2
Immunogen	Recombinant Rat IL-1R2/CD121b Protein
Isotype	IgG
Source/Host	Rabbit
Species Reactivity	Rat
Clone	S272
Purification	Protein A purified
Conjugate	Unconjugated
Applications	ELISA(cap) We recommend the following for sandwich ELISA (Capture - Detection): CABT-ZB717 - CABT-ZB1042 This antibody will detect IL1R2 in antibody pair set. [ABPR-ZB297]
Preparation	This antibody was obtained from a rabbit immunized with purified, recombinant Rat IL-1R2 / CD121b.
Format	Purified, Liquid
Concentration	Lot specific
Size	50 µL, 100 µL, 1 mL

Buffer	PBS
Preservative	None
Storage	This antibody can be stored at 2°C-8°C for one month without detectable loss of activity. Antibody products are stable for twelve months from date of receipt when stored at -20°C to -80°C. Preservative-Free. Avoid repeated freeze-thaw cycles.
Ship	Wet ice

BACKGROUND

Introduction Interleukin 1 receptor, type II (IL1R2) also known as CD121b (Cluster of Differentiation 121b) is a cytokine receptor that belongs to the interleukin-1 receptor family. This protein binds interleukin alpha (IL1A), interleukin beta (IL1B), and interleukin 1 receptor, type I (IL1R1/IL1RA), and acts as a decoy receptor that inhibits the activity of its ligands. The pleiotropic cytokine IL1 is produced to regulate the development and maintenance of the inflammatory responses and binds to specific plasma membrane receptors on cells. Two distinct types of IL1 receptors that can bind IL1 specifically have been identified, designated as IL1RI (IL1RA) and IL1RII (IL1RB). IL1R1 contributes to IL-1 signaling, whereas the IL-1R2/CD121b has no signaling property and acts as a decoy for IL-1. IL-1R2/CD121b structurally consisting of a ligand-binding portion comprised of three Ig-like domains, a single transmembrane region, and a short cytoplasmic domain is expressed in a variety of cell types including B lymphocytes, neutrophils, monocytes, large granular leukocytes, and endothelial cells. Interleukin 4 (IL4) is reported to antagonize the activity of interleukin 1 by inducing the expression and release of this cytokine.

Keywords IL1RL1; interleukin 1 receptor-like 1; T1; ST2

GENE INFORMATION

Synonyms IL1RL1; interleukin 1 receptor-like 1; T1; ST2; DER4; ST2L; ST2V; FIT-1; IL33R; interleukin-1 receptor-like 1; growth stimulation-expressed; interleukin 1 receptor-related protein; homolog of mouse growth stimulation-expressed

Entrez Gene ID [9173](#)

UniProt ID [Q01638](#)