



Rabbit Anti-Human IL17RD monoclonal antibody, clone S112 (CABT-ZB748)

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

PRODUCT INFORMATION

Specificity	It reacts with Human IL17RD
Target	IL17RD
Immunogen	Recombinant Human IL-17RD Protein
Isotype	IgG
Source/Host	Rabbit
Species Reactivity	Human
Clone	S112
Purification	Protein A purified
Conjugate	Unconjugated
Applications	ELISA(cap) This antibody will detect IL17RD in antibody pair set. [ABPR-ZB328]
Preparation	This antibody was obtained from a rabbit immunized with purified, recombinant Human IL-17RD.
Format	Purified, Liquid
Concentration	Lot specific
Size	50 µL, 100 µL, 1 mL
Buffer	PBS

Preservative	None
Storage	<p>This antibody can be stored at 2°C-8°C for one month without detectable loss of activity.</p> <p>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.</p>
Ship	Wet ice

BACKGROUND

Introduction	<p>Interleukin-17 receptor D (IL-17D) also known as Interleukin-17 receptor-like protein, is a member of the interleukine-17 receptor family. IL-17RD functions as a feedback inhibitor of fibroblast growth factor-mediated Ras-MAPK signaling and ERK activation. It may inhibit FGF-induced FGFR1 tyrosine phosphorylation, regulate the nuclear ERK signaling pathway by spatially blocking nuclear translocation of activated ERK. By similarity, and mediate JNK activation and may be involved in apoptosis. IL-17RD is found expressed in the neopallial cortex, rhombic lip, and dorsal regions of the myelencephalon and the frontal nasal process. IL-17RD is also expressed in the commissural plate and septal area of the forebrain and the hippocampus, lens, and optic cup. In the oral region, IL-17RD is expressed in the tongue and the mesenchyme of the first branchial arch. It is also expressed in the developing inner ear. IL-17RD interacts with both IL-17R-Myc and IL-17RB-Myc. Both the intracellular and extracellular domains of IL-17RD interact with IL-17R. IL-17R forms a heteromeric complex with IL-17RD. Experiment results indicate that IL-17RD can affect IL-17R localization, suggesting that these two molecules are colocalized and associate with each other within cells. The fact that IL-17RD Delta ICD is unable to mediate IL-17 signaling but functions as a dominant-negative form indicates that the intracellular domain of IL-17RD is pivotal. Also, IL-17RD interacts with the IL-17R downstream molecule TRAF6. It has been proposed that the IL-17RD intracellular domain interacts with IL-17R and TRAF6 to deliver the downstream signal.</p>
Keywords	IL18; interleukin 18; IGIF; IL-18

GENE INFORMATION

Synonyms	IL18; interleukin 18; IGIF; IL-18; IL-1g; IL1F4; interleukin-18; interleukin-18; IFN-gamma-inducing factor; IL-1 gamma; iboctadekin; interleukin 18 (interferon-gamma-inducing factor); interleukin-1 gamma
Entrez Gene ID	3606
UniProt ID	Q14116