

## Anti-IL-11R alpha/IL-11RA Antibody (7B753)

## Product Details

Ig Type:	Rabbit IgG
Reactivity:	Mouse
Conjugation:	Unconjugated
Clone:	7B753
Purification:	Protein A

## Applications

Application:	ELISA
Recommended	ELISA: 1:5000-1:10000

## Properties

Stability & Storage:	Store at 2°C-8°C for 1 month. Store at -20°C or -80°C for 12 months. Avoid repeated freeze-thaw cycles. Preservative-Free.
Shipping:	Shipping with blue ice.

## Antigen Details

Immunogen:	Recombinant Protein: Mouse IL11RA protein (TMPY-01250)
Antigen Species:	Mouse
Synonyms:	interleukin 11 receptor subunit alpha;IL11RA;interleukin 11 receptor subunit $\alpha$

## Research Background

Interleukin 11 receptor, alpha subunit (IL11RA/IL-11RA) is a subunit of the interleukin 11 receptor which is a member of the hematopoietic cytokine receptor family. IL11RA/IL-11RA is expressed in some cell lines, including the myelogenous leukemia cell line K562, the megakaryocytic leukemia cell line Mo7E, the erythroleukemia cell line TF1, and the osteosarcoma cell lines, MG-63 and Saos-2. It is also expressed in normal and malignant prostate epithelial cell lines. Expression levels are increased in prostate carcinoma. This particular receptor is very similar to the ciliary neurotrophic factor since both contain an extracellular region with a 2-domain structure composed of an immunoglobulin-like domain and a cytokine receptor-like domain. Alternative splicing has been observed at this locus, and three variants encoding two different isoforms have been identified. IL11RA/IL-11RA is a receptor for interleukin-11. The receptor systems for IL6, LIF, OSM, CNTF, IL11, and CT1 can utilize IL6ST for initiating signal transmission. Defects in IL11RA/IL-11RA are a cause of craniosynostosis and dental anomalies (CRSDA). CRSDA is a disorder characterized by craniosynostosis, maxillary hypoplasia, and dental anomalies, including malocclusion, delayed and ectopic tooth eruption, and/or supernumerary teeth. Some patients also display minor digit anomalies, such as syndactyly and/or clinodactyly.

**Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins**

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