

## Anti-IL-22RA2 Antibody (4D840)

## Product Details

Ig Type:	Rabbit IgG
Reactivity:	Human
Conjugation:	Unconjugated
Clone:	4D840
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: Human IL22BP protein (TMPY-01220)
Antigen Species:	Human
Synonyms:	IL-22R-Alpha-2;IL-22 Receptor Subunit $\alpha$ -2;Interleukin-22 Receptor Subunit Alpha-2;CRF2-S1;Cytokine Receptor Family Type 2 Soluble 1;IL-22 Receptor Subunit Alpha-2;Cytokine Receptor Class-II Member 10;Cytokine Receptor Family 2 Member 10;IL-22RA2;IL-22R- $\alpha$ -2;Interleukin-22-Bind;Interleukin-22 Receptor Subunit $\alpha$ -2;CRF2-10

## Research Background

Interleukin-22 receptor subunit alpha-2 (IL-22RA2), also known as interleukin-22-binding protein (IL-22BP), is a subunit of the receptor for interleukin 22. IL-22BP belongs to the type II cytokine receptor family and contains 3 fibronectin type-III domains. IL-22BP/IL-22RA2 is expressed in a range of tissues, including those in the digestive, female reproductive, and immune systems. It is expressed in the placenta, spleen, breast, skin, and lung. It is also detected in the intestinal tract, testis, brain, heart, and thymus. The dominant cell types expressing IL-22BP/IL-22RA2 were mononuclear cells and epithelium. IL-22BP/IL-22RA2 may play an important role as an IL-22 antagonist in the regulation of inflammatory responses. Interleukin-22 (IL-22) is a member of the IL-10 family. It is produced by T cells and induces the production of acute-phase reactants. IL-22 plays important role in the immune response through activation of the STAT 3 signal transduction pathway. Two types of IL-22-binding receptors have been discovered, a membrane-bound receptor and a soluble receptor.

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