

## IL21R

### Synthetic Human IL-21R (ED) Blocking Peptide

<b>Catalog No.</b>	PX205BP	<b>Quantity:</b>	50 µg
<b>Alternate Names:</b>	UNQ3121/PRO10273, MGC10967, NLRinterleukin-21 receptor, IL-21R, IL-21 receptor, novel interleukin receptor		
<b>Description:</b>	<p>The protein encoded by this gene is a cytokine receptor for interleukin 21 (IL21). It belongs to the type I cytokine receptors, and has been shown to form a heterodimeric receptor complex with the common gamma-chain, a receptor subunit also shared by the receptors for interleukin 2, 4, 7, 9, and 15. This receptor transduces the growth promoting signal of IL21, and is important for the proliferation and differentiation of T cells, B cells, and natural killer (NK) cells. The ligand binding of this receptor leads to the activation of multiple downstream signaling molecules, including JAK1, JAK3, STAT1, and STAT3. Knockout studies of a similar gene in mouse suggest a role for this gene in regulating immunoglobulin production. Three alternatively spliced transcript variants have been described.</p>		
<b>Gene ID:</b>	50615		
<b>Application:</b>	The peptide is used for blocking the antibody activity of IL-21R. The peptide with equal volume of antibody for 30 min at 37°C usually completely blocks the antibody activity in Western blotting.		
<b>Formulation:</b>	It is supplied as 200 µg/ml, 50 µg/vial , in PBS pH7.2 (10 mM NaH <sub>2</sub> PO <sub>4</sub> , 10 mM, Na <sub>2</sub> HPO <sub>4</sub> , 130 mM NaCl) containing 0.1% bovine serum albumin and 0.02% sodium azide.. <b>Precaution:</b> Sodium azide is a poisonous and hazardous substance which should be handled by trained staff only.		
<b>Sequence:</b>	NH <sub>2</sub> -NITDQSGNYSQECCGS-OH		
<b>Storage &amp; Stability:</b>	Store at -20°C, stable for one year.		

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