

## IL1RAP

### Synthetic Human IL-1RAP (CT) Blocking Peptide (aa 549-569)

**Catalog No.** PX139BP **Quantity:** 50 µg

**Alternate Names:** zIL1R3, C3orf13, IL-1RAcP

**Description:** Interleukin 1 induces synthesis of acute phase and proinflammatory proteins during infection, tissue damage, or stress, by forming a complex at the cell membrane with an interleukin 1 receptor and an accessory protein. The IL1RAP encodes the interleukin 1 receptor accessory protein. The protein is a necessary part of the interleukin 1 receptor complex which initiates signalling events that result in the activation of interleukin 1-responsive genes. Alternative splicing results in two transcript variants encoding two different isoforms, one membrane-bound and one soluble. The ratio of soluble to membrane-bound forms increases during acute-phase induction or stress.

**Gene ID:** 3556

**Application:** The peptide is used for blocking the activity of anti-IL-1RAcP. The peptide with equal volume of antibody for 30 min at 37°C usually completely blocks the antibody activity in Western blotting.

**Formulation:** 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.. **Precaution:** Sodium azide is a poisonous and hazardous substance which should be handled by trained staff only.

**Sequence:** KKSPRRSSSDEQGLSYSSLKN

**Storage & Stability:** Store at -20°C, stable for one year.

**NOT FOR HUMAN USE. FOR RESEARCH ONLY. NOT FOR DIAGNOSTIC OR THERAPEUTIC USE.**