



## RayBiotech, Inc.

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### Certificate of Analysis and Data Sheet

## Rabbit Anti-Human IL-27 Receptor alpha (N-terminus)

**Catalog No.**

129-10372

**Target Species**

Human

**Isotype**

Polyclonal IgG

### Preparation

**Synonyms** CRL1, TCCR, WSX1**Immunogen:** A peptide corresponding to amino acids near the amino terminus of human TCCR precursor.**Antiserum Preparation:** Antiserum to human IL-27 receptor alpha was raised by repeated immunization of rabbits with highly purified antigen. Purified IgG was prepared from whole serum by affinity chromatography.

### Specificity

129-10372 recognizes human IL-27 receptor alpha, otherwise known as T cell cytokine receptor (TCCR). It is a member of the type I cytokine receptor family with higher levels of expression in CD4+ T cells than in CD8+ T cells. It is a receptor for Interleukin-27 and is involved in the regulation of Th1-type T cells. It also appears to be involved in innate defense mechanisms. IL-27 receptor alpha is highly expressed in lymphoid tissue such as spleen, lymph nodes and peripheral blood leukocytes. It is also weakly expressed in tissues such as the heart, brain and lung.

### Formulation

**Product Type:** Polyclonal Antibody**Product Form:** Purified IgG - liquid**Buffer Solution:** Phosphate buffered saline**Preservative Stabilizers:** 0.02% Sodium Azide (NaN<sub>3</sub>)**Approx. Protein Concentrations:** IgG concentration 0.5 mg/ml

### Applications

Options Functions	YES	NO	Not determined	Recommended Work dilution or concentration
Immunohistology - Paraffin	•			10ug/ml
Western Blotting (1)	•			0.5 - 1.0ug/ml

**Note:** Other applications are not tested yet. Optimal dilutions should be determined.  
(1) This product detects a band of approximately 70kDa in human spleen tissue lysates.

**The products are furnished for LABORATORY RESEARCH USE ONLY.  
Not for diagnostic or therapeutic use.**



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### **Storage**

Store at +4°C or at -20°C if preferred.

Storage in frost-free freezers is not recommended.

This product should be stored undiluted. Avoid repeated freezing and thawing as this may denature the antibody. Should this product contain a precipitate we recommend microcentrifugation before use.

**Shelf Life:** 18 months from date of dispatch.

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