



## RayBiotech, Inc.

3607 Parkway Lane suite 200  
Norcross, GA 30092  
Tel: 770-729-2992, 1-888-494-8555  
Fax: 770-206-2393  
Website: [www.raybiotech.com](http://www.raybiotech.com)  
Email: [info@raybiotech.com](mailto:info@raybiotech.com)

# Certificate of Analysis and Data Sheet

## Rabbit Anti IL-27 (NT)

**Catalog No.**  
MD-14-1136

**Host Animal**  
Rabbit

### Description

Rabbit Antibody to Human Interleukin 27 (IL-27), N-terminal

### Preparation

**Purification:** Immunoaffinity chromatography

**Immunogen:** Synthetic peptide corresponding to 16 amino acids near the amino terminus of human IL-27 (Genbank accession No. NP\_663634)

### Specificity

Reacts with the N-terminal of human and mouse IL-27. IL-27 is a recently discovered member of the IL-6/IL-12 family of proinflammatory and immunoregulatory cytokines (1). It exists as a heterodimer composed of the p40-related protein EBI3 and an IL-12 p35-related protein termed p28.

### Applications

Table Summary of antibody applications and working conditions

Options Functions	YES	NO	Not determined	Recommended Work dilution or concentration
Western Blotting	•			2–4ug/ml

Note (1) Other applications are not tested yet. Optimal dilutions should be determined by each laboratory for each application.

### Formulation

**Format:** Affinity Purified, Liquid

**Concentration:** Lot Specific

**Buffer:** PBS

**Preservatives:** 0.02% Sodium azide

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



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### **Storage**

Store (up to 1 year) at 2–8°C.

### **References**

1. Pfanz, S., et al., (2002), “IL-27, a heterodimeric cytokine composed of EBI3 and p28 protein, induces proliferation of naïve CD4(+) T cells”, Immunity, **16**:779–790.
2. Pfanz, S., et al., (2004), “WSX-1 and glycoprotein 130 constitute a signal-transducing receptor for IL-27”, J.Immunol., **172**:2225–2231.
3. Hisada, M., et al., (2004), “Potent antitumor activity of interleukin-27”, Cancer Res., **64**:1152–1156.

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