# antibodies .- online.com







# Recombinant anti-IL3RA antibody (AA 26-171)





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Overview	
Quantity:	100 μg
Target:	IL3RA
Binding Specificity:	AA 26-171
Reactivity:	Human
Host:	Rabbit
Antibody Type:	Recombinant Antibody
Clonality:	Monoclonal
Conjugate:	This IL3RA antibody is un-conjugated
Application:	Immunohistochemistry (IHC), ELISA, Immunostaining (ISt), Staining Methods (StM), Coating (Coat)
Product Details	
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Immunogen:	Recombinant fragment of human IL3RA protein (around aa 26-171) (exact sequence is proprietary)
Clone:	IL3RA-2947R
Isotype:	IgG
Purification:	Purified by Protein A/G

### **Target Details**

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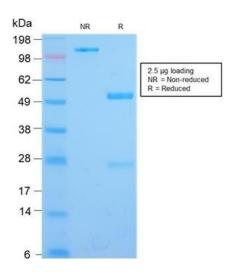
## **Target Details**

Alternative Name:	IL3RA (IL3RA Products)	
Background:	CD123 is an interleukin 3 specific subunit of a heterodimeric cytokine receptor. The receptor is comprised of a ligand specific alpha subunit and a signal transducing beta subunit shared by the receptors for interleukin 3 (IL3), colony stimulating factor 2 (CSF2/GM-CSF), and interleukin 5 (IL5). The binding of this protein to IL3 depends on the beta subunit. The beta subunit is activated by the ligand binding, and is required for the biological activities of IL3. This gene and the gene encoding the colony stimulating factor 2 receptor alpha chain (CSF2RA) form a cytokine receptor gene cluster in a X-Y pseudo-autosomal region on chromosomes X or Y.	
Molecular Weight:	~70kDa	
Gene ID:	3563	
UniProt:	P26951	
Pathways:	JAK-STAT Signaling	
Application Details		
Application Notes:	Positive Control: THP-1, RPMI-8226 or HDLM-2 cells. Tonsil, Lymph Node or Stomach. Known Application: ELISA (For coating, order antibody without BSA),Immunohistochemistry (Formalin-fixed) (0.25-0.5 µg/mL for 30 minutes at RT),(Staining of formalin-fixed tissues is enhanced by boiling tissue sections in 10 mM Tris with 1 mM EDTA, pH 9.0 for 10-20 min followed by cooling at RT for 20 minutes),Optimal dilution for a specific application should be determined.	
Restrictions:	For Research Use only	
Handling		
Concentration:	200 μg/mL	
Buffer:	10 mM PBS with 0.05 % BSA & 0.05 % azide.	
Preservative:	Sodium azide	
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.	
Storage:	4 °C,-80 °C	
Storage Comment:	Antibody with azide - store at 2 to 8°C. Antibody without azide - store at -20 to -80°C. Antibody is stable for 24 months. Non-hazardous. No MSDS required.	

**Expiry Date:** 

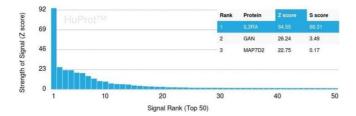
24 months

#### **Images**



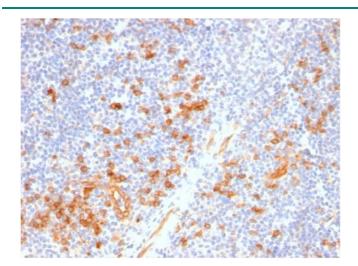
#### **SDS-PAGE**

Image 1. SDS-PAGE Analysis Purified IL3RA Rabbit Recombinant Monoclonal Antibody (IL3RA/2947R). Confirmation of Integrity and Purity of Antibody.



#### **Protein Array**

Image 2. Analysis of Protein Array containing more than 19,000 full-length human proteins using IL3RA / CD123 Rabbit Recombinant Monoclonal Antibody (IL3RA /2947R). Z- and S- Score: The Z-score represents the strength of a signal that a monoclonal antibody (Monoclonal Antibody) (in combination with a fluorescently-tagged anti-IgG secondary antibody) produces when binding to a particular protein on the HuProtTM array. Z-scores are described in units of standard deviations (SDs) above the mean value of all signals generated on that array. If targets on HuProtTM are arranged in descending order of the Z-score, the S-score is the difference (also in units of SDs) between the Z-score. Sscore therefore represents the relative target specificity of a Monoclonal Antibody to its intended target. A Monoclonal Antibody is considered to specific to its intended target, if the Monoclonal Antibody has an S-score of at least 2.5. For example, if a Monoclonal Antibody binds to protein X with a Z-score of 43 and to protein Y with a Z-score of 14, then the S-score for the binding of that Monoclonal Antibody to protein X is equal to 29.



#### **Immunohistochemistry**

**Image 3.** Formalin-fixed, paraffin-embedded human Tonsil stained with IL3RA / CD123 Rabbit Recombinant Monoclonal Antibody (IL3RA/2947R).