

Datasheet for ABIN6939783
anti-IL3RA antibody (AA 26-171)

5 Images

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Overview

Quantity:	100 µg
Target:	IL3RA
Binding Specificity:	AA 26-171
Reactivity:	Human
Host:	Mouse
Clonality:	Monoclonal
Conjugate:	This IL3RA antibody is un-conjugated
Application:	Immunohistochemistry (IHC), Immunostaining (Ist), Staining Methods (StM)

Product Details

Immunogen:	Recombinant fragment of human IL3RA protein (around aa 26-171) (exact sequence is proprietary)
Clone:	IL3RA-1531
Isotype:	IgG2b kappa
Purification:	Purified by Protein A/G

Target Details

Target:	IL3RA
Alternative Name:	IL3RA (IL3RA Products)
Background:	CD123 is an interleukin 3 specific subunit of a heterodimeric cytokine receptor. The receptor is

Target Details

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: Immunohistochemistry (Formalin-fixed) (1-2 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.

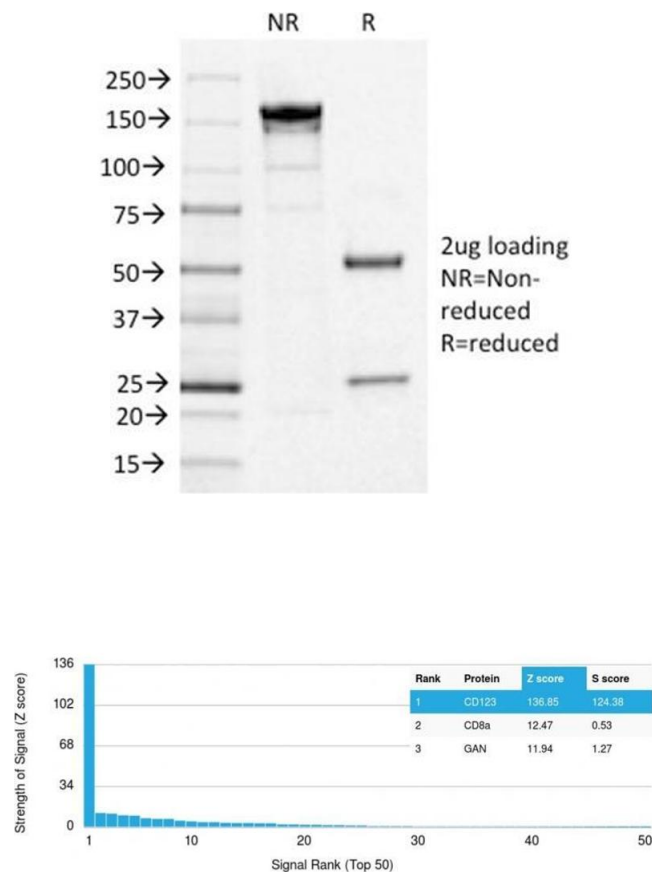
Preservative: Sodium azide

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

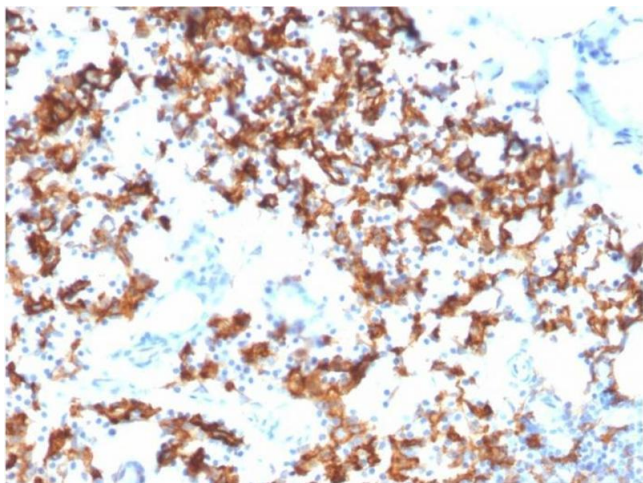


SDS-PAGE

Image 1. SDS-PAGE Analysis Purified IL3RA/CD123 Mouse Monoclonal Antibody (IL3RA/1531). Confirmation of Integrity and Purity of Antibody.

Protein Array

Image 2. Analysis of Protein Array containing >19,000 full-length human proteins using CD123 Mouse Monoclonal Antibody (IL3RA/1531) Z- and S- Score: The Z-score represents the strength of a signal that a monoclonal antibody (MAb) (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 (SD's) 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 SD's) between the Z-score. S-score therefore represents the relative target specificity of a MAb to its intended target. A MAb is considered to specific to its intended target, if the MAb has an S-score of at least 2.5. For example, if a MAb 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 MAb to protein X is equal to 29.



Immunohistochemistry

Image 3. Formalin-fixed, paraffin-embedded human Gastric Carcinoma stained with IL3RA/CD123 Mouse Monoclonal Antibody (IL3RA/1531).

Please check the [product details page](#) for more images. Overall 5 images are available for ABIN6939783.