

Datasheet for ABIN6939787

**Recombinant anti-IL-10 antibody****3** Images[Go to Product page](#)

## Overview

|                |  |
|----------------|--|
| Quantity:      | 100 µg   |
| Target:        | IL-10 (IL10)                                       |
| Reactivity:    | Human  |
| Host:          | Rabbit   |
| Antibody Type: | Recombinant Antibody                               |
| Clonality:     | Monoclonal   |
| Conjugate:     | This IL-10 antibody is un-conjugated               |
| Application:   | Immunohistochemistry (IHC), Staining Methods (StM) |

## Product Details

|            |   |
|------------|---|
| Immunogen: | Recombinant full-length human Interleukin 10 (IL10) protein |
| Clone:     | IL10-2651R  |
| Isotype:   | IgG   |

## Target Details

|                   |   |
|-------------------|---|
| Target:           | IL-10 (IL10)  |
| Alternative Name: | IL10 ( <a href="#">IL10 Products</a> )  |
| Background:       | Interleukin 10 (IL10) is a cytokine produced primarily by monocytes and to a lesser extent by lymphocytes. This cytokine has pleiotropic effects in immuno-regulation and inflammation. It down-regulates the expression of Th1 cytokines, MHC class II antigens, and costimulatory molecules on macrophages. It also enhances B cell survival, proliferation, and antibody |

## Target Details

production. This cytokine can block NF-kappa B activity, and is involved in the regulation of the JAK-STAT signaling pathway. Knockout studies in mice suggested the function of this cytokine as an essential immuno-regulator in the intestinal tract. Mutations in this gene are associated with an increased susceptibility to HIV-1 infection and rheumatoid arthritis.

Molecular Weight: 20kDa (Monomer), 37kDa (Dimer)

Gene ID: 3586

UniProt: [P22301](#)

Pathways: [Cellular Response to Molecule of Bacterial Origin](#), [Regulation of Leukocyte Mediated Immunity](#), [Production of Molecular Mediator of Immune Response](#), [Maintenance of Protein Location](#), [Cancer Immune Checkpoints](#)

## Application Details

Application Notes: Positive Control: Human adrenal or lymph node tissues (IHC).  
Known Application: Immunohistochemistry (Formalin-fixed) (1-2 µg/mL for 30 minutes at RT)(Staining of formalin-fixed tissues requires boiling tissue sections in 10 mM Citrate Buffer, pH 6.0, 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.

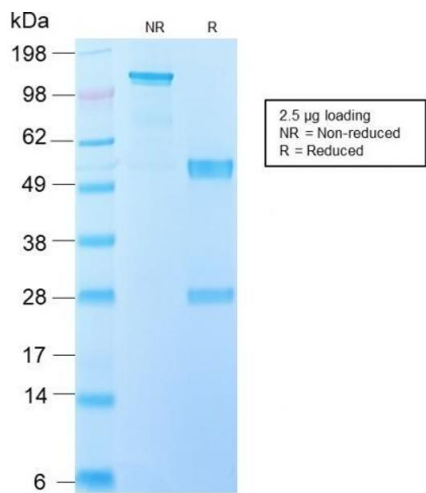
Preservative: Sodium azide

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

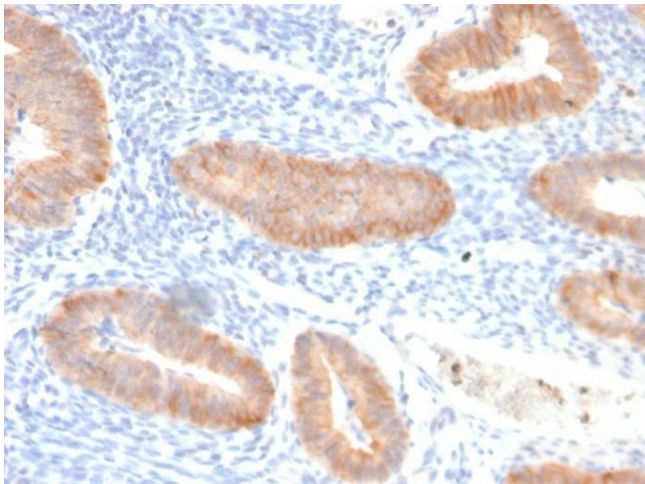
Storage Comment: Antibody with azide - store at 2 to 8°C. Antibody without azide - store at -20 to -80°C. Antibody is stable for 24 months. Non-hazardous. No MSDS required.

Expiry Date: 24 months



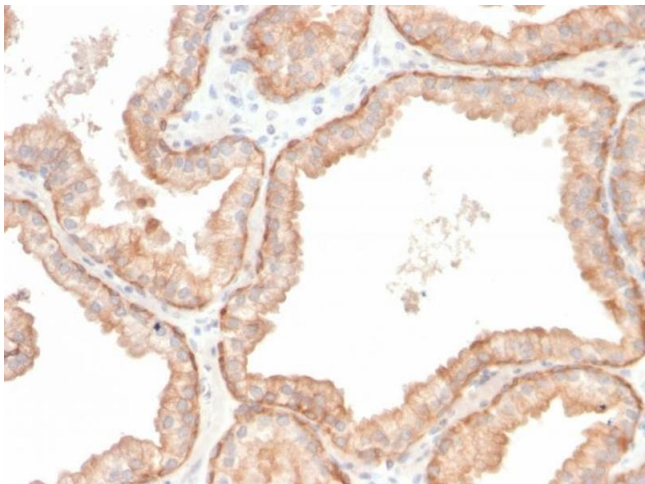
### SDS-PAGE

**Image 1.** SDS-PAGE Analysis Purified IL-10 Recombinant Rabbit Monoclonal Antibody (IL10/2651R). Confirmation of Integrity and Purity of Antibody.



### Immunohistochemistry

**Image 2.** Formalin-fixed, paraffin-embedded human endocervical carcinoma stained with Interleukin 10 Recombinant Rabbit Monoclonal Antibody (IL10/2651R).



### Immunohistochemistry

**Image 3.** Formalin-fixed, paraffin-embedded human prostate carcinoma stained with Interleukin 10 Recombinant Rabbit Monoclonal Antibody (IL10/2651R).