

Datasheet for ABIN6964030  
**anti-IL-31 antibody**



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## Overview

|              |                                      |
|--------------|--------------------------------------|
| Quantity:    | 500 µg                               |
| Target:      | IL-31 (IL31)                         |
| Reactivity:  | Human                                |
| Host:        | Mouse                                |
| Clonality:   | Monoclonal                           |
| Conjugate:   | This IL-31 antibody is un-conjugated |
| Application: | Neutralization (Neut)                |

## Product Details

|               |                                                                       |
|---------------|-----------------------------------------------------------------------|
| Immunogen:    | Recombinant human IL-31                                               |
| Clone:        | MT313                                                                 |
| Isotype:      | IgG1                                                                  |
| Specificity:  | Native and recombinant human IL-31                                    |
| Purification: | Purified from in vitro cultures by protein G affinity chromatography. |

## Target Details

|                   |                                        |
|-------------------|----------------------------------------|
| Target:           | IL-31 (IL31)                           |
| Alternative Name: | IL31 ( <a href="#">IL31 Products</a> ) |
| Gene ID:          | 386653                                 |

## Application Details

|                    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
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| Application Notes: | Neutralization of human IL-31 bioactivity. It is recommended to establish the optimal antibody concentration for the assay system used. Neutralization assay: Neutralization of human IL-31 induced IL-6 production (see graph). To determine the neutralizing capacity and ND50, mixtures of human recombinant IL-31 (50 ng/ ml) and various concentrations of mAb MT313 were added to human aortic endothelial cells that had been pre-stimulated with recombinant human IFN- $\gamma$ (10 ng/mL). Following overnight incubation, cell supernatants were quantified in IL-6 ELISA. Neutralization dose 50 (ND50): MT313 neutralized the effect of human IL-31 at a ND50value of 0.1-0.6 $\mu$ g/mL when 50 ng/mL of human IL-31 was present. ND50 is defined as the concentration of antibody that results in 50 % inhibition of the biological response under the experimental conditions specified. |
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|               |                       |
|---------------|-----------------------|
| Restrictions: | For Research Use only |
|---------------|-----------------------|

## Handling

|                  |                                                                                      |
|------------------|--------------------------------------------------------------------------------------|
| Concentration:   | 1 mg/mL                                                                              |
| Buffer:          | supplied at 1 mg/mL in PBS free of preservatives                                     |
| Preservative:    | Without preservative                                                                 |
| Storage:         | 4 °C,-20 °C                                                                          |
| Storage Comment: | Store product at 4-8°C or frozen at -20°C or below. Avoid repeated freezing/thawing. |
| Expiry Date:     | 18 months                                                                            |