

## 12-9358B: Biotinylated Anti-IL2 antibody(DM187); Rabbit mAb

|                           |                        |
|---------------------------|------------------------|
| <b>Clonality :</b>        | Monoclonal             |
| <b>Clone Name :</b>       | DM187                  |
| <b>Application :</b>      | ELISA; Flow Cyt        |
| <b>Reactivity :</b>       | Human                  |
| <b>Gene :</b>             | IL2                    |
| <b>Uniprot ID :</b>       | P60568                 |
| <b>Alternative Name :</b> | IL-2; lymphokine; TCGF |
| <b>Isotype :</b>          | IgG                    |

### Description

This gene is a member of the interleukin 2 (IL2) cytokine subfamily which includes IL4; IL7; IL9; IL15; IL21; erythropoietin; and thrombopoietin. The protein encoded by this gene is a secreted cytokine produced by activated CD4 and CD8 T lymphocytes; that is important for the proliferation of T and B lymphocytes. The receptor of this cytokine (IL2R) is a heterotrimeric protein complex whose gamma chain is also shared by IL4 and IL7. The expression of this gene in mature thymocytes is monoallelic; which represents an unusual regulatory mode for controlling the precise expression of a single gene. The targeted disruption of a similar gene in mice leads to ulcerative colitis-like disease; which suggests an essential role of this gene in the immune response to antigenic stimuli.

### Product Info

|                            |  |
|----------------------------|--|
| <b>Amount :</b>            | 10 µg / 100 µg   |
| <b>Purification :</b>      | Purified from cell culture supernatant by affinity chromatography  |
| <b>Content :</b>           | Lyophilized from sterile PBS, pH 7.4. Normally 5 % - 8% trehalose is added as protectants before lyophilization. Please see Certificate of Analysis for specific instructions of reconstitution.   |
| <b>Storage condition :</b> | Store at -20°C to -80°C for 12 months in lyophilized form. After reconstitution, if not intended for use within a month, aliquot and store at -80°C (Avoid repeated freezing and thawing).<br>Lyophilized proteins are shipped at ambient temperature. |

### Application Note

ELISA 1:5000-10000; Flow Cyt 1:100