



# Anti-IL4 monoclonal antibody, clone BVD6-24G2 [Biotin] (CABT-48506RM)

This product is for research use only and is not intended for diagnostic use.

## PRODUCT INFORMATION

|                           |  |
|---------------------------|--|
| <b>Product Overview</b>   | Rat anti Mouse Interleukin-4 antibody, clone BVD6-24G2 recognizes mouse Interleukin-4 (IL-4). Interleukin-4 is a potent lymphoid cell growth factor, which stimulates the growth and survival of certain B and T cells. Rat anti Mouse Interleukin-4 antibody, clone BVD6-24G2 is not reported to have neutralising activity. Flow Cytometry Use 10ul of the suggested working dilution to label 106 cells in 100ul. |
| <b>Specificity</b>        | IL4  |
| <b>Immunogen</b>          | Recombinant murine IL-4  |
| <b>Isotype</b>            | IgG1   |
| <b>Source/Host</b>        | Rat  |
| <b>Species Reactivity</b> | Mouse  |
| <b>Clone</b>              | BVD6-24G2  |
| <b>Conjugate</b>          | Biotin   |
| <b>Applications</b>       | IHC-Fr; ELISA; FC  |
| <b>Format</b>             | Ig Fraction conjugated to Biotin - liquid  |
| <b>Size</b>               | 500 µg   |
| <b>Preservative</b>       | See individual product datasheet   |
| <b>Storage</b>            | in frost-free freezers is not recommended. Avoid repeated freezing and thawing as this may denature the antibody. Should this product contain a precipitate we recommend microcentrifugation before use.   |

# GENE INFORMATION

|                     |   |
|---------------------|---|
| Gene Name           | <a href="#">Il4 interleukin 4 [ Mus musculus (house mouse) ]</a>  |
| Official Symbol     | IL4   |
| Synonyms            | IL4; interleukin 4; Il-4; BSF-1; interleukin-4; IGG1 induction factor; B-cell growth factor 1; B-cell stimulatory factor 1; lymphocyte stimulatory factor 1; B-cell IgG differentiation factor;                                       |
| Entrez Gene ID      | <a href="#">16189</a>   |
| Protein Refseq      | <a href="#">NP_067258</a>   |
| UniProt ID          | P07750  |
| Chromosome Location | 11 B1.3; 11 31.97 cM  |
| Pathway             | Allograft rejection; Asthma; Autoimmune thyroid disease; Cytokine-cytokine receptor interaction; Cytokines and Inflammatory Response (BioCarta); Fc epsilon RI signaling pathway; Hematopoietic cell lineage; IL-4 signaling Pathway; |
| Function            | cytokine activity; cytokine receptor binding; growth factor activity; interleukin-4 receptor binding;   |