**anti mouse IL-4**

anti mouse Interleukin-4
rat, monoclonal

<table>
<thead>
<tr>
<th>Cat. No.</th>
<th>Amount</th>
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<tr>
<td>ABD-099</td>
<td>500 µg</td>
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**For in vitro use only!**

**Shipping:** shipped at ambient temperature

**Storage Conditions:** store at -20 °C

**Additional Storage Conditions:** avoid freeze/thaw cycles

**Shelf Life:** 12 months

**Form:** lyophilised (from PBS)

**Applications:**
Direct ELISA, Western Blot, Immunoprecipitation, Immunohistochemistry and Intracellular staining. By direct ELISA 1:5,000 dilution will yield 0.4 OD using alkaline phosphatase conjugated rabbit anti-mouse Ig (Jackson Laboratories).

**Description:**
IL-4 is a pleiotropic cytokine produced by activated T cells. IL-4 is a ligand for interleukin 4 receptor. The interleukin 4 receptor also binds to IL-3, which may contribute to many overlapping functions of this cytokine and IL-13. STAT6, a signal transducer and activator of transcription, has been shown to play a central role in mediating the immune regulatory signal of this cytokine. This gene, IL-3, IL-5, IL-13, and CSF2 form a cytokine gene cluster on chromosome 5q, with this gene particularly close to IL-13. IL-4, IL-13 and IL-5 are found to be regulated coordinately by several long-range regulatory elements in an over 120 kilobase range on the chromosome. Two alternatively spliced transcript variants of this gene encoding distinct isoforms have been reported.

**Immunogen:**
recombinant mouse IL-4

**Reconstitution:** Reconstitute with sterile H2O to 1mg/ml. Mix gently, wash the sides of the vial and wait 30-60 seconds before use.

**Selected References:**
Wurster et al. (2002) Interleukin-4-mediated protection of primary B cells from apoptosis through Stat6-dependent up-regulation of BclXL. J. Biol. Chem. 277:27169.


Ghiasi et al. (2001) Recombinant herpes simplex virus type 1 expressing murine interleukin-4 is less virulent than wild-type virus in mice. J. Virol. 75:9029.
