IL3 Monoclonal Antibody

catalog number: AN200251P

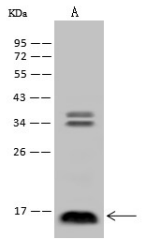
Note: *Centrifuge before opening to ensure complete recovery of vial contents.*

Description

Reactivity	Rat
Immunogen	Recombinant Rat IL3 Protein
Host	Mouse
Isotype	IgG1
Clone	11B11
Purification	Protein A
Buffer	0.2 μm filtered solution in PBS

Applications	Recommended Dilution
WB	1:500-1:2000
IP	5-10 μL/mg of lysate

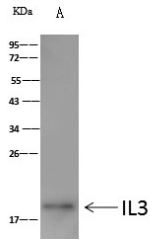
Data



Western Blot with IL3 Monoclonal Antibody at dilution of 1:500 dilution. Lane A: Rat heart tissue lysate, Lysates/proteins at 30 μg per lane.

Observed-MW:17 kDa

Calculated-MW:17 kDa



Immunoprecipitation analysis using 4 μL anti-IL3 Monoclonal Antibody and 60 μg of Immunomagnetic beads Protein A/G. Western blot was performed from the immunoprecipitate using IL3 Monoclonal Antibody at a dilution of 1:100. Lane A:0.5 mg A431 Whole Cell Lysate

Observed-MW:17 kDa

Calculated-MW:17 kDa

Preparation & Storage

Storage	This antibody can be stored at 2°C-8°C for one month without detectable loss of activity. Antibody products are stable for twelve months from date of receipt when stored at -20°C to -80°C. Preservative-Free. Avoid repeated freeze-thaw cycles.
Shipping	Ice bag

Background

IL3 (interleukin 3), also known as IL-3, is a potent growth-promoting cytokine that belongs to the IL-3 family. IL3/IL-3 also belongs to the group of interleukins. Interleukins are produced by a wide variety of body cells. The function of the immune system depends in a large part on interleukins, and rare deficiencies of a number of them have been described, all featuring autoimmune diseases or immune deficiency. The majority of interleukins are synthesized by helper CD4+ T lymphocytes, as well as through monocytes, macrophages, and endothelial cells. They promote the development and differentiation of T, B, and hematopoietic cells. IL3/IL-3 is capable of supporting the proliferation of a broad range of hematopoietic cell types. It is involved in a variety of cell activities such as cell growth, differentiation, and apoptosis. IL3/IL-3 has been shown to also possess neurotrophic activity, and it may be associated with neurologic disorders.

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