

Anti-IL-3 Antibody (8Y609)

Product Details

Ig Type:	Mouse IgG1
Reactivity:	Rat
Conjugation:	Unconjugated
Clone:	8Y609
Purification:	Protein A

Applications

Verified Activity:	<p>1. Anti-IL3 mouse monoclonal antibody at 1:500 dilution.</p> <ul style="list-style-type: none">-Lane A: Rat heart tissue lysate.-Lysates/proteins at 30 µg per lane.-Secondary-Goat Anti-Mouse IgG (H+L)/HRP at 1/10000 dilution.-Developed using the ECL technique.-Performed under reducing conditions.-Predicted band size:17 kDa.-Observed band size:17 kDa. <p>2. IL3 was immunoprecipitated using:</p> <ul style="list-style-type: none">-Lane A:0.5 mg A431 Whole Cell Lysate.-4 µL anti-IL3 mouse monoclonal antibody and 60 µg of Immunomagnetic beads Protein A/G.-Primary antibody:-Anti-IL3 mouse monoclonal antibody, at 1:100 dilution.-Secondary antibody:-Rabbit Anti-Mouse IgG F(ab)2/HRP at 1/10000 dilution.-Developed using the ECL technique.-Performed under reducing conditions.-Predicted band size: 17 kDa.-Observed band size:18 kDa
Application:	IP,WB
Recommended	WB: 1:500-1:2000; IP: 5-10 µL/mg of lysate

Properties

Stability & Storage:	Store at 2°C-8°C for 1 month. Store at -20°C or -80°C for 12 months. Avoid repeated freeze-thaw cycles. Preservative-Free.
Shipping:	Shipping with blue ice.

Antigen Details

Immunogen: Recombinant Protein: Rat IL3 Protein (TMPY-02772)

Antigen Species: Rat

Synonyms: IL-3;PSF;HCGF;Csfmu;interleukin 3;MCGF;BPA

Research 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.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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