



# Interleukin 9 (Interleukin-9, IL-9, Cytokine P40, T-cell Growth Factor P40, IL9) (APC)

## Catalog number

I8431-04J

## Supplier

United States Biological

Interleukin-9 is a 14kD glycosylated cytokine that is secreted by CD4+ Th2 cells. It supports the growth of multiple hematopoietic cell types, including Th cells, germinal center B cells, macrophages, mast cells, neutrophils, megakaryocytes, and erythrocytes. IL-9 exerts its biological effects through a receptor complex composed of IL-9 R and the common G chain. Mature human IL-9 shares 57% aa sequence identity with mouse and rat IL-9.

## Applications

Suitable for use in Flow Cytometry. Other applications not tested.

## Recommended Dilution

Optimal dilutions to be determined by the researcher.

## Excitation

620-650nm

## Emission

660-670nm

## Storage and Stability

May be stored at 4°C before opening. DO NOT FREEZE! Stable at 4°C as an undiluted liquid. Dilute only prior to immediate use. Stable for 12 months. For maximum recovery of product, centrifuge the original vial prior to removing the cap. Further dilutions can be made in assay buffer. APC is light sensitive.

## Immunogen

Recombinant corresponding to aa19-144 from human IL-9 expressed in SF-21 cells.

## Formulation

Supplied as a liquid in saline, 0.5% BSA, 0.09% sodium azide. Labeled with Allophycocyanin (APC).

## Purity

Purified by Protein G affinity chromatography.

## Specificity

Recognizes recombinant human IL-9.

## Product Type

Mab



**Source**

human

**Isotype**

IgG2B

**Grade**

Affinity Purified

**Applications**

FC

**Crossreactivity**

Hu

**Storage**

4°C Do Not Freeze

**Detection Method**

APC