



IL-4 Rat monoclonal antibody

Catalog: MB65855

Host: Rat

Reactivity: Human

BackGround:

Interleukin-4 (IL-4) is a cytokine secreted by activated T cells, basophils, and mast cells. While it contributes to many immunomodulatory responses, it is mainly recognized as the cytokine responsible for eliciting differentiation of naive T cells into Th2 lineage cells that are defined by their secretion of IL-4, IL-5, and IL-10. In addition, IL-4 contributes to immunoglobulin class switching by inducing the production of IgE from B cells. IL-4 acts through the IL-4 receptor, leading to tyrosine phosphorylation and activation of the Stat6 transcription factor.

Product:

Rat IgG1 kappa. Liquid in PBS, pH 7.3, and 0.02% sodium azide.

Molecular Weight:

~ 17 kDa

Swiss-Prot:

P05112

Purification&Purity:

The monoclonal antibody was affinity-purified from Rat antiserum by affinity-chromatography using epitope-specific immunogen and the purity is > 95% (by SDS-PAGE).

Applications:

IF (1/50 - 1/200)

Storage&Stability:

Store at 4 °C short term. Aliquot and store at -20 °C long term. Avoid freeze-thaw cycles.

Specificity:

Recognizes human IL-4

DATA:

Note:

For research use only, not for use in diagnostic procedure.

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