

43-1038: Monoclonal Antibody to Human IL-13 NALE™ Purified (Clone: PVM13-1)

Clonality :	Monoclonal
Clone Name :	PVM13-1
Reactivity :	Human
Gene :	IL13
Gene ID :	3596
Uniprot ID :	P35225
Alternative Name :	NC30, Interleukin-13, IL-13
Isotype :	Mouse IgG1

Description

The PVM13-1 monoclonal antibody binds to human IL-13. IL-13 is an immunoregulatory cytokine produced primarily by activated Th2 cells, and also by mast cells and NK cells. Targeted deletion of IL-13 in mice resulted in impaired Th2 cell development and indicated an important role for IL-13 in the expulsion of gastrointestinal parasites. IL-13 exerts anti-inflammatory effects on monocytes and macrophages and it inhibits the expression of inflammatory cytokines such as IL-1Beta, TNF-Alpha, IL-6 and IL-8. IL-13 has also been shown to enhance B cell proliferation and to induce isotype switching, resulting in increased production of IgE. Blocking of IL-13 activity inhibits the pathophysiology of asthma. The PVM13-1 antibody is reported to be a neutralizing antibody.

Product Info

Amount :	50 µg
Content :	1mg/ml in Phosphate-buffered aqueous solution, pH7.2.
Storage condition :	The product should be stored undiluted at 4°C. Do not freeze. The monoclonal antibody was purified utilizing affinity chromatography.

Application Note

The antibody has been analyzed for quality through the flow cytometric analysis of the relevant cell type. It is recommended that the reagent be titrated for optimal performance for each application.