

Datasheet for ABIN2657958

anti-IL-27 antibody (Alexa Fluor 647)[Go to Product page](#)**2** Images

Overview

Quantity:	100 µg
Target:	IL-27 (IL27)
Reactivity:	Mouse
Host:	Mouse
Clonality:	Monoclonal
Conjugate:	This IL-27 antibody is conjugated to Alexa Fluor 647
Application:	Flow Cytometry (FACS)

Product Details

Clone:	MM27-7B1
Isotype:	IgG2a
Purification:	The antibody was purified by affinity chromatography, and conjugated with Alexa Fluor® 647 under optimal conditions.

Target Details

Target:	IL-27 (IL27)
Alternative Name:	IL-27 p28 (IL27 Products)
Background:	IL-27 is a heterodimeric cytokine consisting of EBV-induced gene-3 (EBI3, an IL-12 p40-related protein) and p28 (a newly discovered IL-12 P35-related protein). It is a member of the IL-6/IL-12 cytokine family and mainly produced by antigen-presenting cells, including macrophages and dendritic cells. IL-27 acts on T cells and NK cells. It has been reported that IL-27 drives rapid

Target Details

clonal expansion of naive CD4+ T cells, and promotes Th1 polarization and IFN- γ production in synergy with IL-12. The IL-27-induced Th1 differentiation was mediated by rapid and marked upregulation of ICAM-1/LFA-1 interaction in a STAT1-dependent manner. IL-27 exhibits anti-inflammatory function by enhancing Th1 cell differentiation, a potent antitumor activity, through CD8+ T cell and NK cell activation. It also plays a potential therapeutic role in autoimmune disease by inhibiting Th-17 development. IL-27 mediates its biological effects through its receptor, WSX-1/T cell cytokine receptor (TCCR), which is homologous to the IL-12R β 2 subunit. Protein gp130 serves as a functional signal-transducing molecule for IL-27.

Application Details

Application Notes: Optimal working dilution should be determined by the investigator.

Restrictions: For Research Use only

Handling

Concentration: 0.5 mg/mL

Buffer: Phosphate-buffered solution, pH 7.2, containing 0.09 % sodium azide.

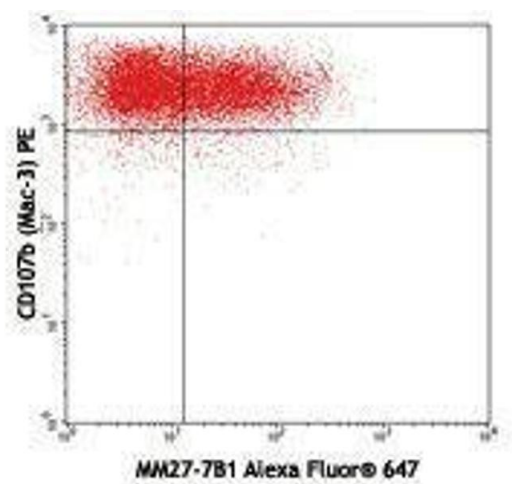
Preservative: Sodium azide

Precaution of Use: This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Handling Advice: Protect from prolonged exposure to light. Do not freeze.

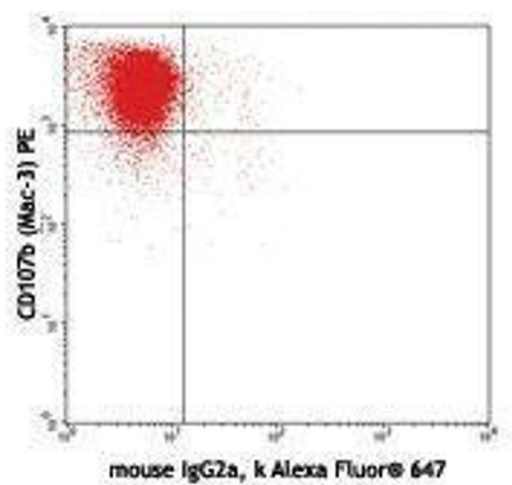
Storage: 4 °C

Storage Comment: The antibody solution should be stored undiluted between 2°C and 8°C



Flow Cytometry

Image 1.



Flow Cytometry

Image 2.