

Human CD27 Antibody (16G7), mAb, Mouse

PRODUCT INFORMATION

Description

CD27, also known as S152 and T14, is a member of the tumor necrosis factor receptor family. It is expressed on memory B cells, a fraction of plasma cells, naive and memory T cells and NK cells. CD27 binds to ligand CD70, and plays an important role in regulating B-cell activation and immunoglobulin synthesis. It is considered as a useful marker to distinguish certain T and B cell subsets from each other.

Specificity

The product is specific for human CD27

Concentration

0.5 mg/ml, lyophilized with PBS, pH 7.4, containing 0.02% sodium azide.

Note

GenScript can customize this product per the customer's request including product size, buffer components, etc.

Reconstitution

Reconstitute the lyophilized antibody with deionized water (or equivalent) to a final concentration of 0.5 mg/ml.

Storage

The lyophilized product remains stable up to 1 year at -20 °C from date of receipt. Upon reconstitution, it can be stored for 2-3 weeks at 2-8 °C or for up to 12 months at -20 °C or below. Avoid repeated freezing and thawing cycles.

Applications

Working concentrations for specific applications should be determined by the investigators. The appropriate concentration may be affected by secondary antibody affinity, antigen concentration, the sensitivity of the method of detection, temperature, the length of the incubations, and other factors. The suitability of this antibody for applications other than those listed below has not been determined. The following concentration ranges are recommended starting points for this product.

ELISA detection: 0.01-0.05 µg/ml

FACS detection: 1- 5 µg/ml

Other applications: user-optimized

Cat. No.: A01964-40

Host: Mouse

Size: 40 µg

Ig Subclass: IgG2b

Clone: 16G7

Immunogen: Recombinant CD27 protein

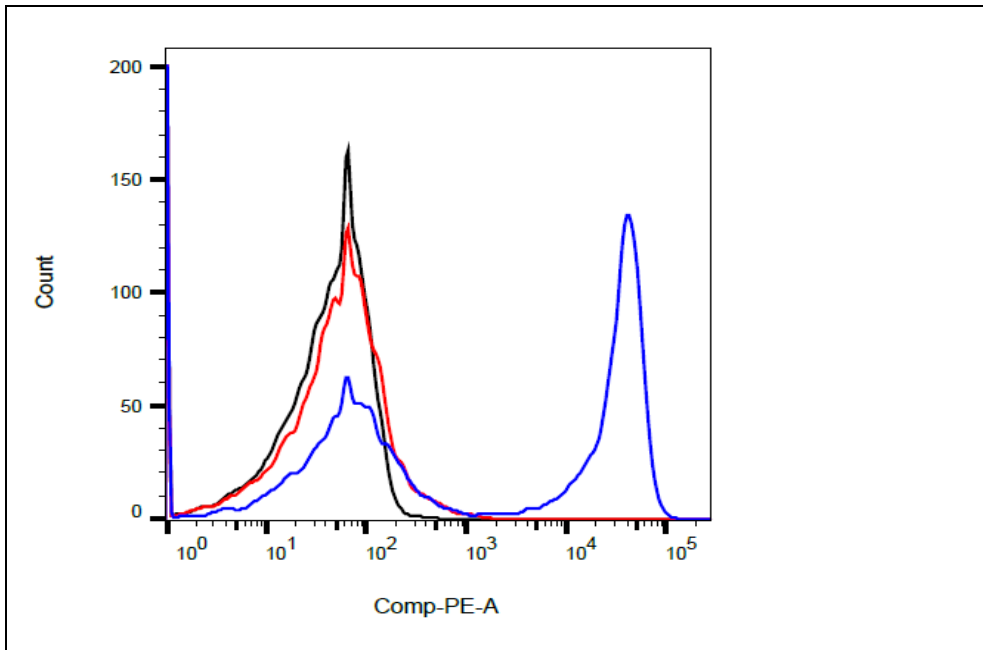
Purification: Protein A affinity column

Conjugation: Unconjugated

Version: 03/14/2017

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860 Centennial Ave., Piscataway, NJ 08854, USA

Example

Flow cytometric analysis of human peripheral blood mononuclear cells (PBMCs) binding with Human CD27 Antibody (GenScript, A01964-40; blue curve) or binding with an isotype control antibody (red curve), or binding with PBS solution as a negative control (black curve)

Antibody working concentration: 1 $\mu\text{g/ml}$, 2.5×10^5 cells/reaction

The signal was developed with R-PE conjugated anti-mouse IgG

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