



SZABO SCANDIC

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Produktinformation



Forschungsprodukte & Biochemikalien



Zellkultur & Verbrauchsmaterial



Diagnostik & molekulare Diagnostik



Laborgeräte & Service

Weitere Information auf den folgenden Seiten!
See the following pages for more information!



Lieferung & Zahlungsart

siehe unsere [Liefer- und Versandbedingungen](#)

Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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NKR-P1-A,B,C. Mouse Monoclonal Antibody

BACKGROUND

Natural Killer (NK) cells are large, granular lymphocytes found primarily in peripheral blood, where they make up about 10% of the lymphocyte population. Their function is to defend against certain types of tumor cells and virally infected cells. When triggered, the cells release cytotoxic granules which induce either apoptosis or necrosis in the target cell. There are known to be two sets of cell surface receptor on NK cells which recognize target cells with opposing functions. One set, of which an example is NKR-P1 receptors, trigger cytokine release and cell cytotoxicity and the other set, of which Ly49A is an example, inhibit cytokine release. These receptors bind with MHC class I molecules on the surface of healthy cells which inhibits the release of cytokines. In virally infected or cancerous cells, class I MHC molecules are not expressed, inducing the release of cytokine. An activation signal is known to exist, however the mechanics of this signal are not very well understood.

IMMUNOGEN

Hybridoma produced by the fusion of splenocytes from BALB/c mice immunized (BALB/c X C57BL/6)_{F₁} (CbyB6F₁) lymphokine-activated killer (LAK) cells and mouse myeloma cell line.

POSITIVE CONTROL/TISSUE EXPRESSION

COMMENTS

Recommended starting concentration for Western blot is 1-5 $\mu\text{g/ml}$. Binds to NKR-P1 receptors and induces release of cytokine in SJL/J NK cells.¹ Optimal concentration should be evaluated by serial dilutions.

ORDERING INFORMATION

CATALOG NUMBER

X1166M

SIZE

100 μg

FORM

Unconjugated

HOST/CLONE

Mouse Clone 1C10

FORMULATION

Provided as solution in phosphate buffered saline with 0.08% sodium azide

CONCENTRATION

See vial for concentration

ISOTYPE

IgG

APPLICATIONS

Immunoprecipitation, Western Blot, Flow Cytometry

SPECIES REACTIVITY

Mouse

ACCESSION NUMBER

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PURIFICATION

Protein A/G Chromatography

SHIP CONDITIONS

Ship at ambient temperature, freeze upon arrival

STORAGE CUSTOMER

Product should be stored at -20°C. Aliquot to avoid freeze/thaw cycles

STABILITY

Products are stable for one year from purchase when stored properly

REFERENCES

1. Kung, S.K.P., et al. "The NKR-P1B gene product is an inhibitory receptor on SJL/J NK cells." J. Immunol. 1999, 162, 5876-5887
2. Gardiner, C.M. "Natural killer cells." Curr. Biol. 1999, 9, R716