

# NC1.1 (3H2767): sc-71643

## BACKGROUND

Natural cytotoxicity (NC), a primary factor of the mammalian innate immune response to cancer, is controlled by leukocytes expressing the NC-1.1 receptor. Mice devoid of natural cytotoxicity by treatment with an antisense version of NC-1.1 convey increased growth of certain transplantable tumors. Subsequently, NC-1.1 receptors have the potential to be anticancer therapeutic agents. NC-1.1 represents a protein receptor, localized to the cell surface. NC action against cancer involves receptor-ligand interactions between lymphohemopoietic cells that mediate NC regarding tumor cells. NC-1.1 integrates into key intracellular signaling pathways involving Protein Kinases C, G, and A in order to affect a coordinated control of NC.

## REFERENCES

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## SOURCE

NC1.1 (3H2767) is a mouse monoclonal antibody raised against spleen cells of mouse origin.

## PRODUCT

Each vial contains 100  $\mu$ g IgG<sub>1</sub> in 1.0 ml PBS with < 0.1% sodium azide and 0.1% gelatin.

## APPLICATIONS

NC1.1 (3H2767) is recommended for detection of NC1.1 of mouse origin by Western Blotting (starting dilution 1:200, dilution range 1:100-1:1000), immunoprecipitation [1-2  $\mu$ g per 100-500  $\mu$ g of total protein (1 ml of cell lysate)] and flow cytometry (1  $\mu$ g per 1 x 10<sup>6</sup> cells).

Molecular Weight of NC1.1: 45 kDa.

## STORAGE

Store at 4° C, **\*\*DO NOT FREEZE\*\***. Stable for one year from the date of shipment. Non-hazardous. No MSDS required.

## RESEARCH USE

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

## PROTOCOLS

See our web site at [www.scbt.com](http://www.scbt.com) for detailed protocols and support products.