

# Anti-Nonspecific Cytotoxic Cells antibody [5C.6] ab2778

## 1 References

### Overview

<b>Product name</b>	Anti-Nonspecific Cytotoxic Cells antibody [5C.6]
<b>Description</b>	Mouse monoclonal [5C.6] to Nonspecific Cytotoxic Cells
<b>Host species</b>	Mouse
<b>Tested applications</b>	<b>Suitable for:</b> Inhibition Assay, ELISA, IP, WB, Flow Cyt
<b>Species reactivity</b>	<b>Reacts with:</b> Rat, Horse, Cow, Dog, Pig, Tilapia, Catfish
<b>Immunogen</b>	Tissue, cells or virus corresponding to Nonspecific Cytotoxic Cells. Purified NCC cells from catfish.
<b>Positive control</b>	This antibody as been successfully used in cytotoxic inhibition studies with NCC/NK/LAK cells, panning, and ELISA procedures. In cytotoxicity assays, this antibody is used under saturating conditions to inhibit target cell conjugation.
<b>General notes</b>	<p>U.S. Patent Numbers: 5,028,424 and 5,229,494.</p> <p>The Life Science industry has been in the grips of a reproducibility crisis for a number of years. Abcam is leading the way in addressing this with our range of recombinant monoclonal antibodies and knockout edited cell lines for gold-standard validation. Please check that this product meets your needs before purchasing.</p> <p>If you have any questions, special requirements or concerns, please send us an inquiry and/or contact our Support team ahead of purchase. Recommended alternatives for this product can be found below, along with publications, customer reviews and Q&amp;As</p>

### Properties

<b>Form</b>	Liquid
<b>Storage instructions</b>	Shipped at 4°C. Store at +4°C short term (1-2 weeks). Upon delivery aliquot. Store at -20°C or -80°C. Avoid freeze / thaw cycle.
<b>Storage buffer</b>	Preservative: 0.05% Sodium azide Constituent: 0.1% BSA
<b>Purity</b>	Purified IgM
<b>Primary antibody notes</b>	Non-specific cytotoxic cells (NCCs) in teleosts and their evolutionary homologue are a subpopulation of lymphocytes with properties that distinguish them from either B- or T-cells. One such property is that NCC/natural killer (NK)/lymphokine activated killer (LAK) cells express spontaneous, non-major histocompatibility complex restricted cytotoxic activity. NCC and LAK

lyse a variety of transformed murine and human B-cell, T-cell and myeloid targets. A 32 kDa membrane protein [non-specific cytotoxic cell receptor protein (NCCRP-1)] expressed by NCC and certain mammalian NK/LAK cells mediates this cytotoxicity. NCCRP-1 is evolutionarily conserved and is found in species ranging from marine and freshwater teleosts to higher mammals.

<b>Clonality</b>	Monoclonal
<b>Clone number</b>	5C.6
<b>Isotype</b>	IgM

## Applications

**The Abpromise guarantee** Our **Abpromise guarantee** covers the use of ab2778 in the following tested applications. The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

Application	Abreviews	Notes
<b>Inhibition Assay</b>		Use at an assay dependent concentration.
<b>ELISA</b>		Use at an assay dependent concentration.
<b>IP</b>		Use at an assay dependent concentration.
<b>WB</b>		Use at an assay dependent concentration. By Western blot, this antibody detects a 32 kDa protein representing nonspecific cytotoxic cell receptor protein.
<b>Flow Cyt</b>		Use at an assay dependent concentration. <b>ab91545</b> - Mouse monoclonal IgM, is suitable for use as an isotype control with this antibody.

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