

## Product datasheet

# Anti-CD161 antibody [B199.2] ab23624

[1 Abreviews](#) [2 References](#)

### Overview

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<b>Product name</b>	Anti-CD161 antibody [B199.2]
<b>Description</b>	Mouse monoclonal [B199.2] to CD161
<b>Specificity</b>	ab23624 recognises CD161 cell surface antigen, expressed by almost all NK cells and with a small subset of CD3 positive T cells.
<b>Tested applications</b>	<b>Suitable for:</b> Flow Cyt, IHC-Fr, IP <b>Unsuitable for:</b> WB
<b>Species reactivity</b>	<b>Reacts with:</b> Human
<b>Immunogen</b>	Activated human NK cells.
<b>Epitope</b>	Clone B199.2 recognises a similar epitope to the DX9 monoclonal antibody.
<b>General notes</b>	Myeloma cell line: P2X63.Ag8.653

### Properties

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<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: 0.09% Sodium Azide Constituents: PBS, pH 7.4
<b>Purity</b>	Protein G purified
<b>Clonality</b>	Monoclonal
<b>Clone number</b>	B199.2
<b>Isotype</b>	IgG1

### Applications

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Our [Abpromise guarantee](#) covers the use of **ab23624** 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
Flow Cyt		Use 10µl for 10 <sup>6</sup> cells. Use 10µl for 10 <sup>6</sup> cells in 100µl, or 1/50 - 1/100.
		<a href="#">ab170190</a> -Mouse monoclonal IgG1, is suitable for use as an isotype control with this antibody.
IHC-Fr		Use at an assay dependent concentration.
IP		Use at an assay dependent concentration.
<b>Application notes</b>		Is unsuitable for WB.
<b>Target</b>		
<b>Function</b>		Plays an inhibitory role on natural killer (NK) cells cytotoxicity. Activation results in specific acid sphingomyelinase/SMPD1 stimulation with subsequent marked elevation of intracellular ceramide. Activation also leads to AKT1/PKB and RPS6KA1/RSK1 kinases stimulation as well as markedly enhanced T-cell proliferation induced by anti-CD3. Acts as a lectin that binds to the terminal carbohydrate Gal-alpha(1,3)Gal epitope as well as to the N-acetyllactosamine epitope. Binds also to CLEC2D/LLT1 as a ligand and inhibits NK cell-mediated cytotoxicity as well as interferon-gamma secretion in target cells.
<b>Tissue specificity</b>		Expressed in a subset of NK cells predominantly in intestinal epithelium and liver. Detected in peripheral blood T-cells and preferentially in adult T-cells with a memory antigenic phenotype.
<b>Sequence similarities</b>		Contains 1 C-type lectin domain.
<b>Post-translational modifications</b>		N-glycosylated. Contains sialic acid residues.
<b>Cellular localization</b>		Membrane.

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