

### PerCP/Cy5.5® Anti-CD38 antibody [HIT2] ab218650

[1 Image](#)

#### Overview

<b>Product name</b>	PerCP/Cy5.5® Anti-CD38 antibody [HIT2]
<b>Description</b>	PerCP/Cy5.5® Mouse monoclonal [HIT2] to CD38
<b>Host species</b>	Mouse
<b>Conjugation</b>	PerCP/Cy5.5®. Ex: 482nm, Em: 690nm
<b>Tested applications</b>	<b>Suitable for:</b> Flow Cyt
<b>Species reactivity</b>	<b>Reacts with:</b> Human
<b>Immunogen</b>	The details of the immunogen for this antibody are not available.
<b>Positive control</b>	Human peripheral blood lymphocytes.
<b>General notes</b>	<p>This product or portions thereof is manufactured under license from Carnegie Mellon University under U.S. Patent Number 5, 268, 486 and related patents. Cy® and CyDye® are trademarks of Cytiva.</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. Store In the Dark.
<b>Storage buffer</b>	<p>pH: 7.20</p> <p>Preservative: 0.09% Sodium azide</p> <p>Constituents: 0.12% Monobasic dihydrogen sodium phosphate, 0.87% Sodium chloride, 0.1% Gelatin</p>
<b>Purity</b>	Affinity purified
<b>Purification notes</b>	ab218650 was purified from tissue culture supernatant via affinity chromatography.
<b>Clonality</b>	Monoclonal

<b>Clone number</b>	HIT2
<b>Isotype</b>	IgG1
<b>Light chain type</b>	kappa

## Applications

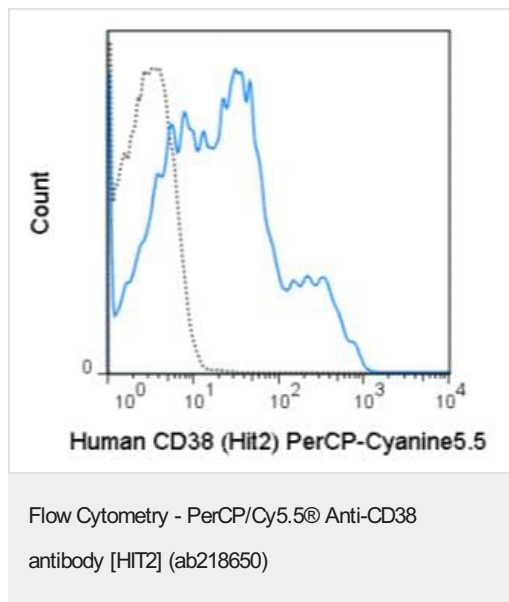
**The Abpromise guarantee** Our **Abpromise guarantee** covers the use of ab218650 in the following tested applications. The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

Application	Abreviews	Notes
Flow Cyt		Use 5µl for 10 <sup>5-8</sup> cells. Stain cell sample in a final volume of approximately 100 µL.

## Target

<b>Function</b>	Synthesizes cyclic ADP-ribose, a second messenger for glucose-induced insulin secretion. Also has cADPr hydrolase activity. Also moonlights as a receptor in cells of the immune system.
<b>Tissue specificity</b>	Expressed at high levels in pancreas, liver, kidney, brain, testis, ovary, placenta, malignant lymphoma and neuroblastoma.
<b>Sequence similarities</b>	Belongs to the ADP-ribosyl cyclase family.
<b>Developmental stage</b>	Preferentially expressed at both early and late stages of the B and T-cell maturation. It is also detected on erythroid and myeloid progenitors in bone marrow, where the level of surface expression was shown to decrease during differentiation of blast-forming unit E to colony-forming unit E.
<b>Cellular localization</b>	Membrane.
<b>Form</b>	There are 2 isoforms produced by alternative splicing.

## Images



Flow cytometric analysis of Human peripheral blood lymphocytes labeling CD38 with 5 µL (0.25 µg) ab218650 (solid line) or 0.25 µg PerCP-Cyanine5.5 Mouse IgG1 isotype control (dashed line).

**Please note:** All products are "FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES"

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