

## Purified anti-human CD177 Antibody

<b>Catalog# / Size</b>	315802 / 100 µg
<b>Clone</b>	MEM-166
<b>Regulatory Status</b>	RUO
<b>Workshop</b>	HCDM listed
<b>Other Names</b>	Neutrophil specific antigen 1, NB1, polycythemia rubra vera 1
<b>Isotype</b>	Mouse IgG1, κ
<b>Description</b>	CD177 is also known as neutrophil specific antigen 1, NB1, and polycythemia rubra vera 1. It is a member of the uPAR family and is a GPI-linked cell surface glycoprotein with a molecular weight of 60 kD. CD177 is expressed on granulocytes and bone marrow progenitors (early erythroblasts, megakaryocytes). It is thought to be involved in allogeneic and autoimmune responses to neutrophils.

### Product Details

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<b>Verified Reactivity</b>	Human, Cynomolgus, Rhesus
<b>Antibody Type</b>	Monoclonal
<b>Host Species</b>	Mouse
<b>Immunogen</b>	Human granulocytes
<b>Formulation</b>	Phosphate-buffered solution, pH 7.2, containing 0.09% sodium azide.
<b>Preparation</b>	The antibody was purified by affinity chromatography.
<b>Concentration</b>	0.5 mg/mL
<b>Storage &amp; Handling</b>	The antibody solution should be stored undiluted between 2°C and 8°C.
<b>Application</b>	<a href="#">FC - Quality tested</a> <a href="#">ICC, IP, WB - Reported in the literature, not verified in house</a>
<b>Recommended Usage</b>	Each lot of this antibody is quality control tested by <a href="#">immunofluorescent staining with flow cytometric analysis</a> . For flow cytometric staining, the suggested use of this reagent is ≤ 2.0 µg per million cells in 100 µL volume. It is recommended that the reagent be titrated for optimal performance for each application.
<b>Application Notes</b>	Additional reported applications (for the relevant formats) include: immunoprecipitation, Western blotting <sup>5</sup> , and immunofluorescence <sup>4</sup> .
<b>Application References</b>	1. Leucocyte Typing VII. Mason D, <i>et al.</i> Eds, 2002 Oxford University Press. 2. von Vietinghoff S, <i>et al.</i> 2007. <i>Blood</i> 109:4487. <a href="#">PubMed</a> 3. Korkmaz B, <i>et al.</i> 2008. <i>J. Biol. Chem.</i> 283:35976. <a href="#">PubMed</a> 4. von Vietinghoff S, <i>et al.</i> 2007. <i>Blood</i> 109:4487. (IF) 5. Jankowska AM, <i>et al.</i> 2011. <i>Haematologica.</i> 96:954. (WB)
<b>Product Citations</b>	1. Korkmaz B, <i>et al.</i> 2008. <i>J Biol Chem.</i> 283:35976. <a href="#">PubMed</a> 2. Syrimi E, <i>et al.</i> 2021. <i>iScience.</i> 24:103215. <a href="#">PubMed</a> 3. Vietinghoff S, <i>et al.</i> 2007. <i>Blood.</i> 109:4487. <a href="#">PubMed</a>
<b>RRID</b>	AB_2072605 (BioLegend Cat. No. 315802)

### Antigen Details

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<b>Structure</b>	uPAR family, GPI-linked cell surface glycoprotein, 60 kD
<b>Distribution</b>	Granulocytes, bone marrow progenitors (early erythroblasts, megakaryocytes)
<b>Function</b>	Antigen involved in neutrophil allo- and autoimmunity, function unknown
<b>Modification</b>	Glycosylated
<b>Cell Type</b>	Granulocytes, Hematopoietic stem and progenitors, Neutrophils
<b>Biology Area</b>	Immunology
<b>Molecular Family</b>	CD Molecules
<b>Antigen References</b>	<ol style="list-style-type: none"> <li>1. Leukocyte Typing VII. Mason D, <i>et al.</i> (Eds.) Oxford University Press (2002)</li> <li>2. Kissel K, <i>et al.</i> 2001. <i>Eur. J. Immunol.</i> 31:1301.</li> <li>3. Lalezari P, <i>et al.</i> 1971. <i>J. Clin. Invest.</i> 50:1108.</li> <li>4. Temerinac S, <i>et al.</i> 2000. <i>Blood</i> 95:2569.</li> </ol>
<b>Gene ID</b>	<a href="#">57126</a>

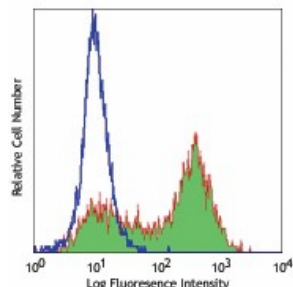
## Related Protocols

[Cell Surface Flow Cytometry Staining Protocol](#)

## Other Formats

Purified anti-human CD177, FITC anti-human CD177, PE anti-human CD177, APC anti-human CD177, APC/Cyanine7 anti-human CD177, TotalSeq™-A0382 anti-human CD177

## Product Data



Human peripheral blood granulocytes stained with purified MEM-166, followed by anti-mouse IgG FITC

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