

## Product Datasheet

### CD180 Antibody (APC) (orb154439)

<b>Catalog Number</b>	orb154439
<b>Category</b>	Antibodies
<b>Description</b>	Mouse monoclonal antibody conjugated to APC which recognizes CD180 that belongs to the toll-like receptor family. It is expressed on mature B cells, monocytes/macrophages and dendritic cells. CD180 is a signal transduction molecule and plays a role in regulation of B cell growth and death and also play a role in the innate immune response to bacterial lipopolysaccharide, through co-operation with MD-1 and TLR4.
<b>Target</b>	CD180
<b>Clonality</b>	Monoclonal
<b>Isotype</b>	Mouse IgG1 kappa
<b>Conjugation</b>	APC
<b>Reactivity</b>	Human
<b>Buffer/Preservatives</b>	Stabilizing phosphate buffered saline (PBS), pH 7.4, 15 mM sodium azide
<b>Purification</b>	Purified antibody is conjugated with activated allophycocyanin (APC) under optimum conditions and unconjugated antibody and free fluorochrome are removed by size-exclusion chromatography.
<b>Immunogen</b>	Human tonsillar B cells
<b>UniProt ID</b>	<b>Q99467</b>
<b>Tested applications</b>	FC

**Biorbyt Ltd.**

7 Signet Court, Swann Road  
Cambridge  
CB5 8LA  
United Kingdom

Email: [info@biorbyt.com](mailto:info@biorbyt.com), [support@biorbyt.com](mailto:support@biorbyt.com)

Phone: [+44 \(0\)1223 859353](tel:+44(0)1223859353) | Fax: [+1 \(415\) 651-8558](tel:+1(415)651-8558)

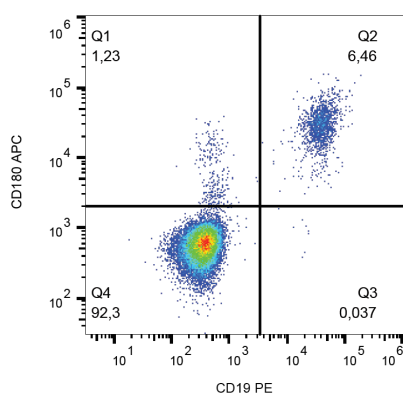
**Biorbyt LLC**

68 TW Alexander Drive  
Research Triangle Park  
Durham  
NC 27713  
United States

Email: [info@biorbyt.com](mailto:info@biorbyt.com), [support@biorbyt.com](mailto:support@biorbyt.com)

Phone: [+1 \(415\) 906-5211](tel:+1(415)906-5211) | Fax: [+1 \(415\) 651-8558](tel:+1(415)651-8558)

<b>Application notes</b>	Flow cytometry: The reagent is designed for analysis of human blood cells using 10 µl reagent / 100 µl of whole blood or 10 <sup>6</sup> cells in a suspension. The content of a vial (1 ml) is sufficient for 100 tests.
<b>Specificity</b>	The mouse monoclonal antibody G28-8 recognizes an extracellular epitope of CD180, a 95-105 kDa TLR-like glycoprotein expressed on peripheral blood monocytes and dendritic cells, mantle zone B cells and marginal zone B cells, but very weakly on germinal center B cells.
<b>Antibody Type</b>	Primary Antibody
<b>Clone Number</b>	G28-8
<b>Storage</b>	Store at 2-8°C. Protect from prolonged exposure to light. Do not freeze.
<b>Note</b>	For research use only
<b>Entrez</b>	<b>4064</b>
<b>Expiration Date</b>	12 months from date of receipt.



Flow cytometry analysis (surface staining) of human peripheral blood cells with anti-CD180 (G28-8) APC.

**Biorbyt Ltd.**

7 Signet Court, Swann Road  
Cambridge  
CB5 8LA  
United Kingdom

Email: [info@biorbyt.com](mailto:info@biorbyt.com), [support@biorbyt.com](mailto:support@biorbyt.com)

Phone: +44 (0)1223 859353 | Fax: +1 (415) 651-8558

**Biorbyt LLC**

68 TW Alexander Drive  
Research Triangle Park  
Durham  
NC 27713  
United States

Email: [info@biorbyt.com](mailto:info@biorbyt.com), [support@biorbyt.com](mailto:support@biorbyt.com)

Phone: +1 (415) 906-5211 | Fax: +1 (415) 651-8558