

## PerCP/Fire™ 780 anti-human GPR183 (EBI2) Antibody

<b>Catalog# / Size</b>	368919 / 25 tests 368920 / 100 tests
<b>Clone</b>	SA313E4
<b>Regulatory Status</b>	RUO
<b>Other Names</b>	EBI2
<b>Isotype</b>	Mouse IgG2a, κ
<b>Description</b>	GPR183, also known as EBI2, is a member of the rhodopsin-like subfamily of 7TM receptors, which forms homodimers and heterodimers when it associates with CXCR5. GPR183 is expressed by Naive B cells, subset of T cells, monocytes and macrophages, and is highly upregulated by Epstein–Barr virus infection. GPR183 regulates the B cell trafficking within lymphoid follicles in response to 7α, 25-dihydroxycholesterol.

### Product Details

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<b>Verified Reactivity</b>	Human
<b>Antibody Type</b>	Monoclonal
<b>Host Species</b>	Mouse
<b>Immunogen</b>	Human GPR183-transfected cells
<b>Formulation</b>	Phosphate-buffered solution, pH 7.2, containing 0.09% sodium azide and BSA (origin USA)
<b>Preparation</b>	The antibody was purified by affinity chromatography and conjugated with PerCP/Fire™ 780 under optimal conditions.
<b>Concentration</b>	Lot-specific (to obtain lot-specific concentration and expiration, please enter the lot number in our <a href="#">Certificate of Analysis</a> online tool.)
<b>Storage &amp; Handling</b>	The antibody solution should be stored undiluted between 2°C and 8°C, and protected from prolonged exposure to light. <b>Do not freeze.</b>
<b>Application</b>	<a href="#">FC - Quality tested</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 5 µL per million cells in 100 µL staining volume or 5 µL per 100 µL of whole blood. It is recommended that the reagent be titrated for optimal performance for each application.  * PerCP/Fire™ 780 has a maximum excitation of 478 nm and a maximum emission of 780 nm.
<b>Excitation Laser</b>	Blue Laser (488 nm)
<b>RRID</b>	AB_3683395 (BioLegend Cat. No. 368919) AB_3683395 (BioLegend Cat. No. 368920)

### Antigen Details

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<b>Structure</b>	Member of the rhodopsin-like subfamily of 7TM receptors and forms homo- and heterodimers.
<b>Distribution</b>	Naive B cells, subset of T cells, monocytes and macrophages
<b>Function</b>	Chemotactic receptor that regulates B cell trafficking within lymphoid follicles.
<b>Ligand/Receptor</b>	7α, 25-dihydroxycholesterol

<b>Cell Type</b>	B cells, Macrophages, Monocytes, T cells
<b>Biology Area</b>	Cell Biology, Immunology, Innate Immunity
<b>Molecular Family</b>	Cytokine/Chemokine Receptors, Steroid Receptors/Nuclear Receptors
<b>Antigen References</b>	<ol style="list-style-type: none"> <li>1. Preuss I, <i>et al.</i> 2014. <i>Biochem. Biophys. Res. Commun.</i> 446:663.</li> <li>2. Barroso R, <i>et al.</i> 2012. <i>FASEB J.</i> 26:4841.</li> <li>3. Hannedouche S, <i>et al.</i> 2011. <i>Nature.</i> 475:524.</li> <li>4. Benned-Jensen T, <i>et al.</i> 2011. <i>J. Biol. Chem.</i> 286:29292.</li> </ol>
<b>Gene ID</b>	<a href="#">1880</a>

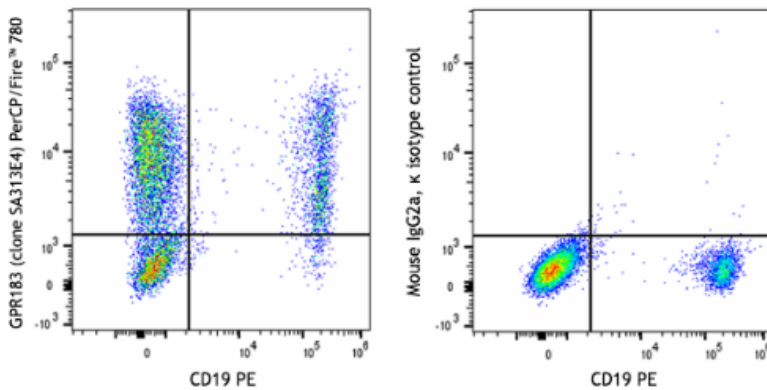
## Related Protocols

- [Cell Surface Flow Cytometry Staining Protocol](#)

## Other Formats

Alexa Fluor® 647 anti-human GPR183 (EBI2), PE anti-human GPR183 (EBI2), APC anti-human GPR183 (EBI2), Brilliant Violet 421™ anti-human GPR183 (EBI2), FITC anti-human GPR183 (EBI2), PerCP/Cyanine5.5 anti-human GPR183 (EBI2), PE/Cyanine7 anti-human GPR183 (EBI2), PE/Dazzle™ 594 anti-human GPR183 (EBI2), PerCP/Fire™ 780 anti-human GPR183 (EBI2), PerCP/Fire™ 806 anti-human GPR183 (EBI2), TotalSeq™-C1484 anti-human GPR183 (EBI2) Antibody, TotalSeq™-B1484 anti-human GPR183 (EBI2), TotalSeq™-A1484 anti-human GPR183 (EBI2)

## Product Data



Human peripheral blood lymphocytes were stained with anti-human CD19 (clone HIB19) PE and anti-human GPR183 (EBI2) (clone SA313E4) PerCP/Fire™ 780 (left) or mouse IgG2a, κ PerCP/Fire™ 780 isotype control (right).

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