

## PerCP/Fire™ 780 anti-human GPR15 Antibody

<b>Catalog# / Size</b>	373023 / 25 tests 373024 / 100 tests
<b>Clone</b>	SA302A10
<b>Regulatory Status</b>	RUO
<b>Other Names</b>	BOB, Brother of Bonzo
<b>Isotype</b>	Mouse IgG2a, $\kappa$
<b>Description</b>	GPR15, also known as BOB, is a G-protein coupled receptor with 7 transmembrane regions, that is present on the cell surface as a homotrimer. Its ligand, GPR15L, was recently identified. It acts as receptor for human immunodeficiency virus type 1 and 2. GPR15 is expressed by effector T cells and subsets of memory T cells, and is involved in the recruitment of proinflammatory CD4 <sup>+</sup> T cells responsible of the pathogenesis in colitis. It is upregulated on monocytes and neutrophils in the synovia of patients with RA.

### 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 GPR15-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 $\mu$ L per million cells in 100 $\mu$ L staining volume or 5 $\mu$ L per 100 $\mu$ L 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_3683399 (BioLegend Cat. No. 373023) AB_3683399 (BioLegend Cat. No. 373024)

### Antigen Details

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<b>Structure</b>	G-protein coupled receptor with 7 transmembrane regions, present in the cell surface as homotrimer.
<b>Distribution</b>	Effector and memory T cells.
<b>Cell Type</b>	T cells

<b>Biology Area</b>	Immunology
<b>Molecular Family</b>	CD Molecules
<b>Antigen References</b>	<ol style="list-style-type: none"> <li>1. Nguyen LP, <i>et al.</i> 2015. <i>Nat. Immunol.</i> 16:207.</li> <li>2. Kiene M, <i>et al.</i> 2014. <i>PLoS One</i> 9:e88195.</li> <li>3. Cartwright A, <i>et al.</i> 2014. <i>Cytokine.</i> 67:53.</li> <li>4. Kim SV, <i>et al.</i> 2013. <i>Science.</i> 340:1456.</li> <li>5. Okamoto Y, <i>et al.</i> 2013. <i>J. Biol. Chem.</i> 288:9189.</li> </ol>
<b>Gene ID</b>	<a href="#">2838</a>

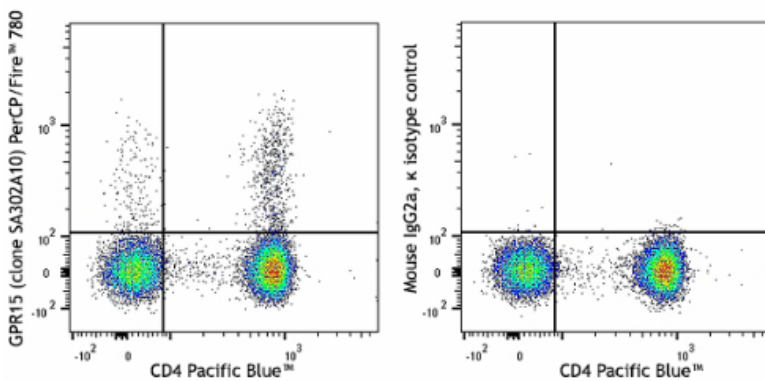
## Related Protocols

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

## Other Formats

PE anti-human GPR15, APC anti-human GPR15, Brilliant Violet 421™ anti-human GPR15, PE/Cyanine7 anti-human GPR15, APC/Fire™ 750 anti-human GPR15, PE/Dazzle™ 594 anti-human GPR15, PerCP/Cyanine5.5 anti-human GPR15, TotalSeq™-B1298 anti-human GPR15, TotalSeq™-C1298 anti-human GPR15, TotalSeq™-A1298 anti-human GPR15, PerCP/Fire™ 780 anti-human GPR15 Antibody

## Product Data



Human peripheral blood lymphocytes were stained with anti-human CD4 (clone RPA-T4) Pacific Blue™ and anti-human GPR15 (clone SA302A10) PerCP/Fire™ 780 (left) or mouse IgG2a, κ PerCP/Fire™ 780 isotype control (right)

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