

## TotalSeq™-C0911 anti-phycoerythrin (PE) Antibody

<b>Catalog# / Size</b>	408111 / 10 µg
<b>Clone</b>	PE001
<b>Regulatory Status</b>	RUO
<b>Other Names</b>	PE
<b>Isotype</b>	Mouse IgG1, κ
<b>Barcode Sequence</b>	TGACCAGTCCGCAT
<b>Description</b>	The PE001 antibody reacts with both phycoerythrin (PE) alone and PE conjugated with antibody or streptavidin, as well as PE tandem dyes such as PE/Cy5, PE/Cy5.5 and PE/Cy7. When PE001 antibody is used in a three-step staining procedure or separation of PE-antibody labeled cells, it does not quench PE fluorescence or react with tested mouse and human cells. The PE001 antibody can be used for separation of PE-antibody labeled cells or as a secondary step to amplify PE conjugated primary antibody signals (i.e. biotinylated PE001 as secondary step, followed by Streptavidin-PE).

### Product Details

<b>Antibody Type</b>	Monoclonal
<b>Host Species</b>	Mouse
<b>Immunogen</b>	Phycoerythrin
<b>Formulation</b>	Phosphate-buffered solution, pH 7.2, containing 0.09% sodium azide and 1 mM EDTA.
<b>Preparation</b>	The antibody was purified by chromatography and conjugated with TotalSeq™-C oligomer under optimal conditions.
<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>Do not freeze.</b>
<b>Application</b>	<a href="#">PG - Quality tested</a>
<b>Recommended Usage</b>	<p>Each lot of this antibody is quality control tested by <a href="#">immunofluorescent staining with flow cytometric analysis</a> and the oligomer sequence is confirmed by sequencing. TotalSeq™-C antibodies are compatible with 10x Genomics Chromium Single Cell Immune Profiling <a href="#">Solution</a>.</p> <p>To maximize performance, it is strongly recommended that the reagent be titrated for each application, and that you centrifuge the antibody dilution before adding to the cells at 14,000xg at 2 - 8°C for 10 minutes. Carefully pipette out the liquid avoiding the bottom of the tube and add to the cell suspension. For Proteogenomics analysis, the suggested starting amount of this reagent for titration is ≤ 1.0 µg per million cells in 100 µL volume. Refer to the corresponding TotalSeq™ protocol for specific staining instructions.</p> <p>Buyer is solely responsible for determining whether Buyer has all intellectual property rights that are necessary for Buyer's intended uses of the BioLegend TotalSeq™ products. For example, for any technology platform Buyer uses with TotalSeq™, it is Buyer's sole responsibility to determine whether it has all necessary third party intellectual property rights to use that platform and TotalSeq™ with that platform.</p>
<b>Additional Product Notes</b>	<p>TotalSeq™ reagents are designed to profile protein levels at a single cell level following an optimized protocol similar to the CITE-seq workflow. A compatible single cell device (e.g. <a href="#">10x Genomics Chromium System and Reagents</a>) and sequencer (e.g. Illumina analyzers) are required. Please contact <a href="#">technical support</a> for more information, or visit <a href="http://biolegend.com/totalseq">biolegend.com/totalseq</a>.</p> <p>The barcode flanking sequences are CGGAGATGTGTATAAGAGACAGNNNNNNNNNN (PCR handle), and NNNNNNNNNCCCATATAAGA*A*A (capture sequence). N represents either randomly selected A, C, G, or T, and * indicates a phosphorothioated bond, to prevent nuclease degradation.</p>

View more applications data for this product in our [Scientific Poster Library](#).

## Application References

(PubMed link indicates  
BioLegend citation)

1. Taylor RT, *et al.* 2007. *J. Immunol.* 178:5659.

RRID AB\_2820079 (BioLegend Cat. No. 408111)

## Antigen Details

---

Gene ID NA

## Related Protocols

---

[TotalSeq™-B or -C with 10x Feature Barcoding Technology](#)

## Other Formats

---

Purified anti-phycoerythrin (PE), Biotin anti-phycoerythrin (PE), Purified anti-phycoerythrin (PE) (Maxpar® Ready), APC anti-phycoerythrin (PE), TotalSeq™-A0911 anti-phycoerythrin (PE), TotalSeq™-C0911 anti-phycoerythrin (PE), TotalSeq™-B0911 anti-phycoerythrin (PE)

For research use only. Not for diagnostic use. Not for resale. BioLegend will not be held responsible for patent infringement or other violations that may occur with the use of our products.

\*These products may be covered by one or more Limited Use Label Licenses (see the BioLegend Catalog or our website, [www.biolegend.com/ordering#license](http://www.biolegend.com/ordering#license)). BioLegend products may not be transferred to third parties, resold, modified for resale, or used to manufacture commercial products, reverse engineer functionally similar materials, or to provide a service to third parties without written approval of BioLegend. By use of these products you accept the terms and conditions of all applicable Limited Use Label Licenses. Unless otherwise indicated, these products are for research use only and are not intended for human or animal diagnostic, therapeutic or commercial use.

8999 BioLegend Way, San Diego, CA 92121 [www.biolegend.com](http://www.biolegend.com)  
Toll-Free Phone: 1-877-Bio-Legend (246-5343) Phone: (858) 768-5800 Fax: (877) 455-9587