

TotalSeq™-A0911 anti-phycoerythrin (PE) Antibody

Catalog# / Size	408109 / 10 µg
Clone	PE001
Regulatory Status	RUO
Other Names	PE
Isotype	Mouse IgG1, κ
Barcode Sequence	TGACCAGTCCGCAT
Description	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

Antibody Type	Monoclonal
Host Species	Mouse
Immunogen	Phycoerythrin
Formulation	Phosphate-buffered solution, pH 7.2, containing 0.09% sodium azide and 1 mM EDTA.
Preparation	The antibody was purified by chromatography and conjugated with TotalSeq™-A oligomer under optimal conditions.
Concentration	0.5 mg/ml
Storage & Handling	The antibody solution should be stored undiluted between 2°C and 8°C. Do not freeze.
Application	PG - Quality tested
Recommended Usage	<p>Each lot of this antibody is quality control tested by immunofluorescent staining with flow cytometric analysis and the oligomer sequence is confirmed by sequencing. TotalSeq™-A antibodies are compatible with 10x Genomics Single Cell Gene Expression Solutions.</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>
Additional Product Notes	<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. 10x Genomics Chromium System and Reagents) and sequencer (e.g. Illumina analyzers) are required. Please contact technical support for more information, or visit biolegend.com/totalseq.</p> <p>The barcode flanking sequences are CCTTGGCACCCGAGAATTCCA (PCR handle), and BAAAAAAAAAAAAAAAAAAAAAAAAAAAAA*A*A (capture sequence). B represents either C, G, or T, and * indicates a phosphorothioated bond, to prevent nuclease degradation.</p> <p>View more applications data for this product in our Scientific Poster Library.</p>

Application References

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

(PubMed link indicates
BioLegend citation)

RRID AB_2820078 (BioLegend Cat. No. 408109)

Antigen Details

Gene ID NA

Related Protocols

[TotalSeq™-A Antibodies and Cell Hashing with 10x Single Cell 3' Reagent Kit v3 3.1 Protocol](#)

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)

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