

TotalSeq™-A0436 anti-Biotin Antibody

Catalog# / Size	409008 / 10 µg
Clone	1D4-C5
Regulatory Status	RUO
Other Names	Vitamin B7, Vitamin H
Isotype	Mouse IgG2a, κ
Barcode Sequence	CGGTATATCAACAGA
Description	Biotin (vitamin B7 or vitamin H) is essential for cell growth and the metabolization of fat and protein. It is also often used to tag a molecule of interest. The anti-biotin antibody can be used as a second-step reagent for detecting biotinylated targets.

Product Details

Antibody Type	Monoclonal
Host Species	Mouse
Immunogen	Biotinylated limulus hemocyanin
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>
Application Notes	Additional reported applications (for relevant formats) include: immunoprecipitation and ELISA.
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	

(PubMed link indicates
BioLegend citation)

1. Uccellini MB, *et al.* 2008. *J. Immunol.* 181:5875.
2. Green NM, *et al.* 2012. *J Biol Chem.* 287:39789. [PubMed](#).

RRID AB_2801086 (BioLegend Cat. No. 409008)

Antigen Details

Ligand/Receptor Avidin, Streptavidin

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-Biotin, PE anti-Biotin, Purified anti-Biotin (Maxpar® Ready), TotalSeq™-A0436 anti-Biotin, Ultra-LEAF™ Purified anti-Biotin, TotalSeq™-C0436 anti-Biotin

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