PerCP/Cyanine5.5 anti-DYKDDDDK Tag Antibody

Catalog# / Size	637325 / 25 µg 637326 / 100 µg
Clone	L5
Regulatory Status	RUO
Other Names	FLAG tag
Isotype	Rat IgG2a, λ
Description	The DYKDDDDK tag, commonly referred to as Sigma®'s FLAG® Tag, is often used as a protein modification in order to simplify the labeling and detection of proteins.This unique amino acid sequence allows for specific antibody detection in western blotting, immunoprecipitation, and immunostaining techniques.Due to the short sequence, this modification is not likely to affect the structure or function of the modified proteins.

Product Details

Verified Reactivity	Epitope tag
Reported Reactivity	Species independent
Antibody Type	Monoclonal
Host Species	Rat
Immunogen	DYKDDDDK-tagged mouse Langerin
Formulation	Phosphate-buffered solution, pH 7.2, containing 0.09% sodium azide.
Preparation	The antibody was purified by affinity chromatography and conjugated with PerCP/Cyanine5.5 under optimal conditions.
Concentration	0.2 mg/ml
Storage & Handling	The antibody solution should be stored undiluted between 2°C and 8°C, and protected from prolonged exposure to light. **Do not freeze.**
Application	FC - *Quality tested*
Recommended Usage	Each lot of this antibody is quality control tested by immunofluorescent staining with flow cytometric analysis. For flow cytometric staining, the suggested use of this reagent is = 0.5 µg per million cells in 100 µl volume. It is recommended that the reagent be titrated for optimal performance for each application. * PerCP/Cyanine5.5 has a maximum absorption of 482 nm and a maximum emission of 690 nm.
Excitation Laser	Blue Laser (488 nm)
Application Notes	The L5 clone has been demonstrated to have 2-8 fold better sensitivity in WB than another commonly used antibody clone, M2.
Application References **(PubMed link indicates BioLegend citation)**	1. Park SH, *et al.* 2008. *J Immunol Methods.* 331:27. 2. Moon SH, *et al.* 2010. *J. Biol Chem.* 285:12935. PubMed 3. Sasaki M, *et al.* 2011. *J. Biol Chem.* 286:39370. PubMed 4. Sonder SU, *et al.* 2012. *J Immunol.* 188:5906. PubMed 5. Jiang Y, *et al.* 2013. *Int Immunol.* 25:235. PubMed 6. Zuo X, *et al.* 2014. *PLoS One.* 9:84748. PubMed 7. Toyo-Oak K, *et al.* 2014. *J Neurosci.* 34:12168. PubMed
RRID	AB_2750064 (BioLegend Cat. No. 637325)

AB_2750065 (BioLegend Cat. No. 637326)

Antigen Details

Biology Area	Cell Biology
Antigen References	1. Einhauer A. 2001. *J. Biochem. Biophys. Methods.* 49:455. 2. Knappik A and Pluckthun A. 1994. *Biotechniques.* 17:754.
Gene ID	NA

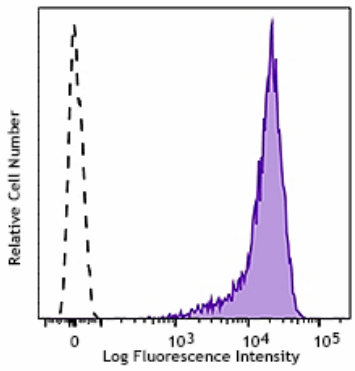
Related Protocols

- Cell Surface Flow Cytometry Staining Protocol

Other Formats

Purified anti-DYKDDDDK Tag, Anti-DYKDDDDK Tag (L5) Affinity Gel, APC anti-DYKDDDDK Tag, PE anti-DYKDDDDK Tag, Direct-Blot™ HRP anti-DYKDDDDK Tag, Alexa Fluor® 594 anti-DYKDDDDK Tag, Alexa Fluor® 647 anti-DYKDDDDK Tag, Alexa Fluor® 488 anti-DYKDDDDK Tag, PE/Cyanine7 anti-DYKDDDDK Tag, Brilliant Violet 421™ anti-DYKDDDDK Tag, PerCP/Cyanine5.5 anti-DYKDDDDK Tag, Ultra-LEAF™ Purified anti-DYKDDDDK Tag, PE/Dazzle™ 594 anti-DYKDDDDK Tag Antibody, TotalSeq™-B1129 anti-DYKDDDDK Tag, TotalSeq™-A1129 anti-DYKDDDDK Tag, TotalSeq™-C1129 anti-DYKDDDDK Tag

Product Data



DYKDDDDK tag-transfected cells were stained with anti-DYKDDDDK (clone L5) PerCP/Cyanine5.5 (filled histogram) or rat IgG2a, λ PerCP/Cyanine5.5 isotype control (open histogram).

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