

## PerCP/Cyanine5.5 anti-DYKDDDDK Tag Antibody

<b>Catalog# / Size</b>	637325 / 25 µg 637326 / 100 µg
<b>Clone</b>	L5
<b>Regulatory Status</b>	RUO
<b>Other Names</b>	FLAG tag
<b>Isotype</b>	Rat IgG2a, λ
<b>Description</b>	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

<b>Verified Reactivity</b>	Epitope tag
<b>Reported Reactivity</b>	Species independent
<b>Antibody Type</b>	Monoclonal
<b>Host Species</b>	Rat
<b>Immunogen</b>	DYKDDDDK-tagged mouse Langerin
<b>Formulation</b>	Phosphate-buffered solution, pH 7.2, containing 0.09% sodium azide.
<b>Preparation</b>	The antibody was purified by affinity chromatography and conjugated with PerCP/Cyanine5.5 under optimal conditions.
<b>Concentration</b>	0.2 mg/ml
<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 = 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.
<b>Excitation Laser</b>	Blue Laser (488 nm)
<b>Application Notes</b>	The L5 clone has been demonstrated to have 2-8 fold better sensitivity in WB than another commonly used antibody clone, M2.
<b>Application References</b>	1. Park SH, <i>et al.</i> 2008. <i>J Immunol Methods</i> . 331:27. 2. Moon SH, <i>et al.</i> 2010. <i>J. Biol Chem</i> . 285:12935. <a href="#">PubMed</a> 3. Sasaki M, <i>et al.</i> 2011. <i>J. Biol Chem</i> . 286:39370. <a href="#">PubMed</a> 4. Sonder SU, <i>et al.</i> 2012. <i>J Immunol</i> . 188:5906. <a href="#">PubMed</a> 5. Jiang Y, <i>et al.</i> 2013. <i>Int Immunol</i> . 25:235. <a href="#">PubMed</a> 6. Zuo X, <i>et al.</i> 2014. <i>PLoS One</i> . 9:84748. <a href="#">PubMed</a> 7. Toyo-Oak K, <i>et al.</i> 2014. <i>J Neurosci</i> . 34:12168. <a href="#">PubMed</a>
<b>(PubMed link indicates BioLegend citation)</b>	
<b>RRID</b>	AB_2750064 (BioLegend Cat. No. 637325)

## Antigen Details

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

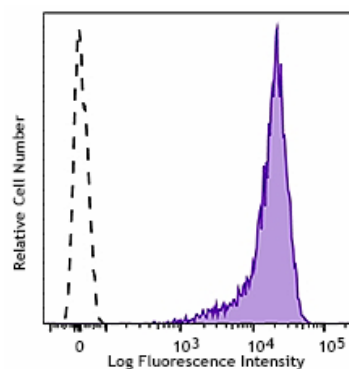
## Related Protocols

- [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,  $\lambda$  PerCP/Cyanine5.5 isotype control (open histogram).

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