

## Anti-DYKDDDDK Tag (L5) Affinity Gel

|                          |   |
|--------------------------|---|
| <b>Catalog# / Size</b>   | 651501 / 500 µL<br>651502 / 2 mL<br>651503 / 5 mL   |
| <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>  | DYKDDDDK tag epitope   |
| <b>Antibody Type</b>  | Monoclonal   |
| <b>Host Species</b>   | Rat  |
| <b>Immunogen</b>  | DYKDDDDK-tagged mouse Langerin   |
| <b>Formulation</b>  | 50% anti-DYKDDDDK-tag (L5) antibody conjugated resin is supplied in 1X PBS and 0.09% NaN <sub>3</sub> . The volume specified for each catalog number indicates the volume of resin included.   |
| <b>Preparation</b>  | The antibody was purified by affinity chromatography.  |
| <b>Storage &amp; Handling</b>   | Upon receipt, store between 2°C and 8°C. The unopened product is stable for one year upon arrival.   |
| <b>Application</b>  | <a href="#">IP, Purification of DYKDDDDK-tagged fusion proteins from cell lysates - Quality tested</a><br>-  |
| <b>Recommended Usage</b>  | Resin binding capacity is greater than 0.8 mg/mL.  |
| <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><br>(PubMed link indicates BioLegend citation) | <ol style="list-style-type: none"> <li>1. Park SH, <i>et al.</i> 2008. <i>J Immunol Methods</i>. 331:27.</li> <li>2. Moon SH, <i>et al.</i> 2010. <i>J. Biol Chem</i>. 285:12935. <a href="#">PubMed</a></li> <li>3. Sasaki M, <i>et al.</i> 2011. <i>J. Biol Chem</i>. 286:39370. <a href="#">PubMed</a></li> <li>4. Sonder SU, <i>et al.</i> 2012. <i>J Immunol</i>. 188:5906. <a href="#">PubMed</a></li> <li>5. Jiang Y, <i>et al.</i> 2013. <i>Int Immunol</i>. 25:235. <a href="#">PubMed</a></li> <li>6. Zuo X, <i>et al.</i> 2014. <i>PLoS One</i>. 9:84748. <a href="#">PubMed</a></li> <li>7. Toyo-Oak K, <i>et al.</i> 2014. <i>J Neurosci</i>. 34:12168. <a href="#">PubMed</a></li> </ol> |

### Product Citations

1. Dai J, *et al.* 2022. *Nat Cancer*. 3:25. [PubMed](#)
2. Vervliet T, *et al.* 2015. *Biochem Biophys Res Commun*. 460:291. [PubMed](#)
3. Mamedov T, *et al.* 2021. *Vaccines (Basel)*. 9:. [PubMed](#)
4. Mamedov T, *et al.* 2017. *PLoS One*.. 10.1371/journal.pone.0183589. [PubMed](#)
5. Meng KP, *et al.* 2020. *J Exp Med*. 217:00:00. [PubMed](#)
6. Raman V, *et al.* 2021. *Nat Commun*. 12:6116. [PubMed](#)
7. Grimley R, *et al.* 2012. *PLoS One*. 7:e39847. [PubMed](#)
8. Mamedov T, *et al.* 2021. *Viruses*. 13:. [PubMed](#)
9. Qian X, *et al.* 2019. *Molecular Cell*. 76(6):885-895.e7. [PubMed](#)
10. Li X, *et al.* 2020. *Cell Rep*. 33:108563. [PubMed](#)
11. Xie C, *et al.* 2022. *Cell Death Dis*. 13:701. [PubMed](#)
12. Qian X *et al.* 2017. *Molecular cell*. 65(5):917-931. [PubMed](#)

## Antigen Details

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

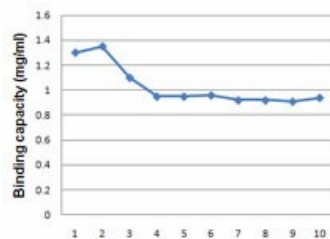
## Related Protocols

[Anti-DYKDDDDK Tag \(L5\) Affinity Gel Protocol](#)

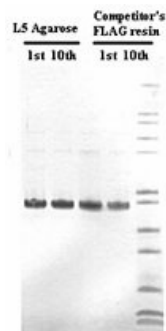
## Other Formats

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



Anti-DYKDDDDK tag affinity resin (L5-agarose) retains binding capacity even after 10 rounds of purification and elution.



Anti-DYKDDDDK tag affinity resin (L5-agarose) retains binding capacity even after 10 rounds of purification and elution.

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