BioLegend
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Product Data Sheet

Purified anti-DYKDDDDK Tag

Catalog # / Size: 637301 / 200 µg
637302 / 500 µg
637303 / 1 mg
637304 / 5 mg

Clone: L5

Isotype: Rat IgG2a, κ

Immunogen: DYKDDDDK-tagged mouse Langerin

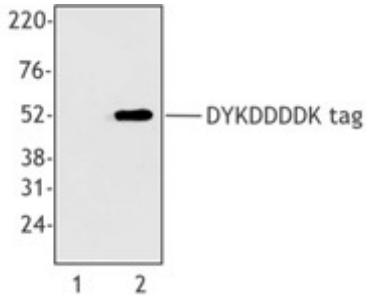
Reactivity: DYKDDDDK tag epitope

Preparation: The antibody was purified by affinity chromatography.

Formulation: Phosphate-buffered solution, pH 7.2, containing 0.09% sodium azide.

Concentration: 0.5 mg/ml

Storage: The antibody solution should be stored undiluted at 4°C.



Cell extracts from untransfected 293T cells (lane 1) or 293T cells transfected with a plasmid encoding DYKDDDDK-tagged protein (lane 2), using anti-DYKDDDDK, clone L5.

Applications:

Applications: WB - *Quality tested*
IP, IF, IHC, ELISA, FC - *Reported in the literature*

Recommended Usage: Each lot of this antibody is quality control tested by Western blotting. For Western blotting, suggested working dilution(s): Use 5 µg per 5 ml antibody dilution buffer for each mini-gel. It is recommended that the reagent be titrated for optimal performance for each application.

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:
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.

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.

Antigen References:
1. Einhauer A. 2001. *J. Biochem. Biophys. Methods.* 49:455.
2. Knappik A and Pluckthun A. 1994. *Biotechniques.* 17:754.

Related Products:

Product	Clone	Application
HRP Goat anti-rat IgG (minimal x-reactivity)	Poly4054	ELISA, IF, IHC, WB
Biotin Goat anti-rat IgG (minimal x-reactivity)	Poly4054	FC, ELISA, WB

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