Biotin anti-mouse IgA Antibody

Catalog# / Size	407003 / 50 µg 407004 / 500 µg
Clone	RMA-1
Regulatory Status	RUO
Other Names	Immunoglobulin A
Isotype	Rat IgG1, κ
Description	The RMA-1 monoclonal antibody reacts with immunoglobulin A (IgA) in all tested mouse haplotype (Igh-a and b). It does not react with other isotypes. The RMA-1 monoclonal antibody may be used as primary or secondary reagent for ELISA or immunofluorescent analysis.

Product Details

Verified Reactivity	Mouse
Antibody Type	Monoclonal
Host Species	Rat
Immunogen	Mouse Ig cocktail
Formulation	Phosphate-buffered solution, pH 7.2, containing 0.09% sodium azide.
Preparation	The antibody was purified by affinity chromatography, and conjugated with biotin 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	ELISA - Quality tested FC - Verified
Recommended Usage	Each lot of this antibody is quality control tested by ELISA method. This biotinylated Rat anti-Mouse IgA antibody (Cat. No. 407003) was used as the detection antibody at working concentration 0.5 µg/mL with the capture antibody (Cat. No. 405301) to detect Mouse anti-CD19 IgA. It is recommended that the reagent be titrated for optimal performance for each application.
Application References **(PubMed link indicates BioLegend citation)**	1. Lee EH, *et al.* 2013. *J Ethnopharmacol.* 146:608. PubMed.
Product Citations	1. Jones M, *et al.* 2016. PLoS One. 11: 0157271. PubMed 2. Petursdottir D, *et al.* 2017. Front Immunol. . 10.3389/fimmu.2017.01699. PubMed 3. Lee E, *et al.* 2013. J Ethnopharmacol. 146:608. PubMed 4. Schiller M, *et al.* 2021. Immunity. 54(5):1022-1036.e8. PubMed 5. Biram A, *et al.* 2020. Cell Rep. 30:1910. PubMed 6. Serradell MC, *et al.* 2019. Nat Commun. 0.667361111. PubMed 7. Wilmore JR *et al.* 2018. Cell host & microbe. 23(3):302-311 . PubMed 8. Counoupas C, *et al.* 2020. NPJ Vaccines. 0.28125. PubMed 9. Zbesko JC, *et al.* 2021. Brain Behav Immun. 91:578. PubMed 10. Biram A, *et al.* 2020. Bio Protoc. 10:e3602. PubMed 11. Noviski M, *et al.* 2018. Elife. 7:e35074. PubMed 12. Matsuo K, *et al.* 2018. J Immunol. 200:800. PubMed 13. Kräutler NJ, *et al.* 2020. Cell Reports. 30(4):997-1012.e6.. PubMed 14. Liu X, *et al.* 2020. Cell Res. 30:732. PubMed 15. Tada R, *et al.* 2015. PLoS One. 10: e0139785. PubMed 16. Inic-Kanada A, *et al.* 2015. PLoS One. 10: 0144380. PubMed 17. Lu X, *et al.* 2019. Cell Rep. 28:472. PubMed 18. Wilmore JR, *et al.* 2022. Front Immunol. 12:791095. PubMed

19. Becktel DA, *et al.* 2021. J Neurosci. Online ahead of print. PubMed

RRID AB_315078 (BioLegend Cat. No. 407003)
AB_315079 (BioLegend Cat. No. 407004)

Antigen Details

Gene ID 238447

Related Protocols

Sandwich ELISA Protocol

Other Formats

Purified anti-mouse IgA, Biotin anti-mouse IgA

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