
TruStain fcX™ (anti-mouse CD16/32)

Catalog # / Size:	1106595 / 50 µg 1106600 / 500 µg
Clone:	93
Isotype:	Rat IgG2a, λ
Reactivity:	Mouse
Preparation:	The antibody was purified by affinity chromatography.
Formulation:	Phosphate-buffered solution, pH 7.2, containing 0.09% sodium azide.
Concentration:	0.5

Applications:

Applications:	Flow Cytometry
Recommended Usage:	For blocking of Fc receptors in flow cytometric analysis, pre-incubate the cells with TruStain fcX™ at 1.0 microg per 10 ⁶ cells in 100 microL volume for 5-10 minutes on ice prior to immunostaining. It is not necessary to wash cells between these blocking and immunostaining steps.

Application References:	1. Oliver AM, <i>et al.</i> 1999. <i>Hybridoma</i> 18:113. 2. Brummel R and Lenert P. 2005. <i>J. Immunol.</i> 174:2429. PubMed 3. Terrazas LI, <i>et al.</i> 2005. <i>Intl. J. Parasitology.</i> 35:1349. 4. Clements JL, <i>et al.</i> 2006. <i>J. Immunol.</i> 177:905. PubMed 5. Flores M, <i>et al.</i> 2008. <i>FASEB J.</i> 22:3661. PubMed 6. Ge XN, <i>et al.</i> 2010. <i>J. Immunol.</i> 185:1205. PubMed 7. Maseda D, <i>et al.</i> 2012. <i>J. Immunol.</i> 188:1036. PubMed 8. Lewis ND, <i>et al.</i> 2013. <i>J. Immunol.</i> 190:3533. PubMed 9. Bonne-Annee S, <i>et al.</i> 2013. <i>Infect Immun.</i> 81:3346. PubMed 10. Parlane NA, <i>et al.</i> 2013. <i>Vet Immunol Immunopathol.</i> 30:122. PubMed 11. Jarajapu YP, <i>et al.</i> 2014. <i>PLoS One.</i> 9:93965. PubMed 12. Matthews JA, <i>et al.</i> 2014. <i>PLoS One.</i> 9:97707. PubMed 13. Resa-Infante P, <i>et al.</i> 2014. <i>J Virol.</i> 88:8166. PubMed 14. Gillis TP, <i>et al.</i> 2014. <i>Infect Immun.</i> 82:3900. PubMed 15. Minkah N, <i>et al.</i> 2015. <i>J Virol.</i> 89:3366. PubMed
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Description:	CD16 is the low affinity IgG Fc receptor III (FcR III) and CD32 is FcR II. CD16/CD32 are expressed on B cells, monocytes/macrophages, NK cells, granulocytes, mast cells, and dendritic cells. The Fc receptors bind antibody-antigen immune complexes and mediate adaptive immune responses. TruStain fcX™ is specific to the common epitope of CD16/CD32. It is useful for blocking non-specific binding of immunoglobulin to the Fc receptors.
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