

---

**TruStain fcX™ (anti-mouse CD16/32)**

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

**Applications:**

<b>Applications:</b>	Flow Cytometry
<b>Recommended Usage:</b>	For blocking of Fc receptors in flow cytometric analysis, pre-incubate the cells with TruStain fcX™ at 1.0 microg per 10 <sup>6</sup> 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.

<b>Application References:</b>	<ol style="list-style-type: none"><li>1. Oliver AM, <i>et al.</i> 1999. <i>Hybridoma</i> 18:113.</li><li>2. Brummel R and Lenert P. 2005. <i>J. Immunol.</i> 174:2429. <a href="#">PubMed</a></li><li>3. Terrazas LI, <i>et al.</i> 2005. <i>Intl. J. Parasitology.</i> 35:1349.</li><li>4. Clements JL, <i>et al.</i> 2006. <i>J. Immunol.</i> 177:905. <a href="#">PubMed</a></li><li>5. Flores M, <i>et al.</i> 2008. <i>FASEB J.</i> 22:3661. <a href="#">PubMed</a></li><li>6. Ge XN, <i>et al.</i> 2010. <i>J. Immunol.</i> 185:1205. <a href="#">PubMed</a></li><li>7. Maseda D, <i>et al.</i> 2012. <i>J. Immunol.</i> 188:1036. <a href="#">PubMed</a></li><li>8. Lewis ND, <i>et al.</i> 2013. <i>J. Immunol.</i> 190:3533. <a href="#">PubMed</a></li><li>9. Bonne-Annee S, <i>et al.</i> 2013. <i>Infect Immun.</i> 81:3346. <a href="#">PubMed</a></li><li>10. Parlane NA, <i>et al.</i> 2013. <i>Vet Immunol Immunopathol.</i> 30:122. <a href="#">PubMed</a></li><li>11. Jarajapu YP, <i>et al.</i> 2014. <i>PLoS One.</i> 9:93965. <a href="#">PubMed</a></li><li>12. Matthews JA, <i>et al.</i> 2014. <i>PLoS One.</i> 9:97707. <a href="#">PubMed</a></li><li>13. Resa-Infante P, <i>et al.</i> 2014. <i>J Virol.</i> 88:8166. <a href="#">PubMed</a></li><li>14. Gillis TP, <i>et al.</i> 2014. <i>Infect Immun.</i> 82:3900. <a href="#">PubMed</a></li><li>15. Minkah N, <i>et al.</i> 2015. <i>J Virol.</i> 89:3366. <a href="#">PubMed</a></li></ol>
--------------------------------	---

---

<b>Description:</b>	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.
---------------------	---