# Recombinant Mouse CD52 Protein (Thr27-Ser47), C-mFc-tagged

## Product Information

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| ***Cat*** | *IMP-10331* |
| ***Official Symbol*** | *Cd52* |
| ***Product Overview*** | *Recombinant Mouse CD52 protein (Thr27-Ser47) with a Mouse IgG2a (Glu98-Lys330) Fc tag at C-terminus was expressed in Mouse myeloma cell line.* |
| ***Description*** | *Involved in positive regulation of cytosolic calcium ion concentration. Predicted to be located in extracellular region and plasma membrane. Predicted to be intrinsic component of plasma membrane. Predicted to be active in sperm midpiece.* |
| ***Expression System*** | *Mouse myeloma cell line* |
| ***Species*** | *Mouse* |
| ***Tag*** | *C-mFc* |
| ***Predicted N Terminal*** | *Thr27* |
| ***Form*** | *Lyophilized from a 0.2 μm filtered solution in PBS.* |
| ***Molecular Mass*** | *Predicted Molecular Mass: 29 kDa SDS-PAGE: 32-36 kDa & 38-42 kDa, under reducing conditions* |
| ***Protein length*** | *Thr27-Ser47* |
| ***Bio-activity*** | *Measured by its binding ability in a functional ELISA. When Recombinant Human Siglec-10 Fc Chimera Protein is immobilized at 2.5 μg/mL (100 μL/well), the concentration of Recombinant Mouse CD52 Fc Chimera that produces 50% of the optimal binding response is found to be approximately 1.5-7.5 μg/mL.* |
| ***Endotoxin*** | |
| ***Purity*** | *>95%, by SDS-PAGE visualized with Silver Staining and quantitative densitometry by Coomassie Blue Staining.* |
| ***Notes*** | *Disulfide-linked homodimer* |
| ***Storage*** | *Use a manual defrost freezer and avoid repeated freeze-thaw cycles. 12 months from date of receipt, -20 to -70 centigrade as supplied. 1 month, 2 to 8 centigrade under sterile conditions after reconstitution. 3 months, -20 to -70 centigrade under sterile conditions after reconstitution.* |
| ***Reconstitution*** | *Reconstitute at 250 μg/mL in PBS.* |


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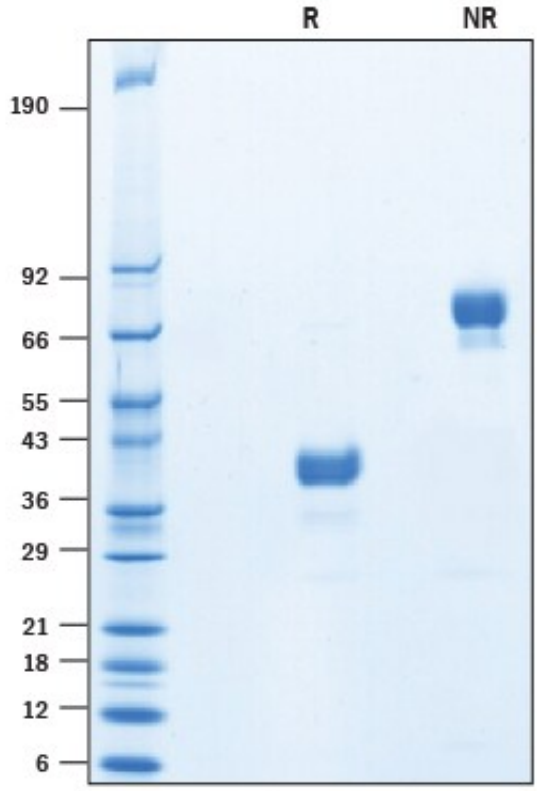
***SDS-PAGE***




***Bioactivity-ELISA 1***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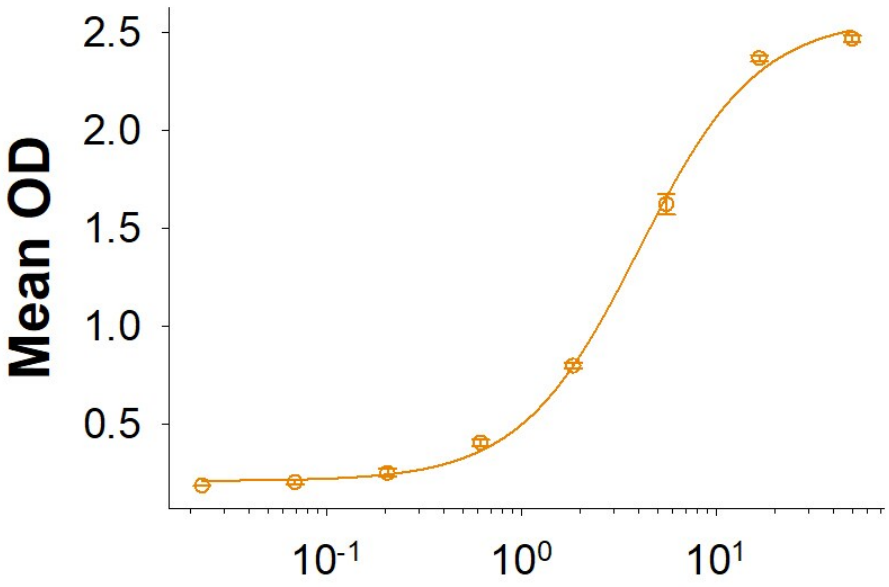


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