

## Mouse CD46-mIgG2a

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| Cat No.:      | 03-01-0423                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| Product Name: | Mouse CD46-mIgG2a                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| Description:  | <p>CD46 is the membrane cofactor protein that serves as an inhibitory complement receptor in complement regulatory cascade. It acts as a cofactor for complement factor I, a serine protease which protects autologous cells against complement-mediated injury by cleaving C3b and C4b deposited on host tissue. It also acts as a costimulatory factor for T-cells which induces the differentiation of CD4+ into T-regulatory 1 cells. T-regulatory 1 cells suppress immune responses by secreting interleukin-10, and therefore are thought to prevent autoimmunity. A number of viral and bacterial pathogens seem to bind MCP in order to exploit its immune regulation property and directly induce an immunosuppressive phenotype in T-cells. CD46 serves as receptor for adenovirus subgroup B2 and Ad3, cultured measles virus and herpesvirus 6, and pathogenic bacteria Neisseria and Streptococcus pyogenes.</p> |
| Type:         | Protein                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| Property:     | Recombinant Protein                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| Source:       | HEK293                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| Genbank No.:  | O88174 ( aa.45-329)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |



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| Applications: | ELISA, WB, Immunogen                                            |
| Formulation:  | Each vial contains 50ug purified protein(1mg/ml) in PBS(pH7.4). |
| Purity:       | >95%                                                            |
| Storage:      | Store at -80°C, Avoid freeze / thaw cycle.                      |
| Limitation:   | For research use only, not for use in diagnostic procedures.    |