Datasheet for ABIN4949085

# Poliovirus Receptor Protein (PVR) (AA 21-343) (Fc Tag)

3 Images

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## Overview

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|---|---|
| Quantity: | 100 µg |
| Target: | Poliovirus Receptor (PVR) |
| Protein Characteristics: | AA 21-343 |
| Origin: | Human |
| Source: | HEK-293 Cells |
| Protein Type: | Recombinant |
| Biological Activity: | Active |
| Purification tag / Conjugate: | This Poliovirus Receptor protein is labelled with Fc Tag. |
| Application: | Functional Studies (Func) |

## Product Details

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| Sequence: | AA 21-343 |
| Characteristics: | This protein carries a mouse IgG2a Fc tag at the C-terminus. The protein has a calculated MW of 62.2 kDa. As a result of glycosylation, The protein migrates as 70-100 kDa under reducing (R) condition and 130-160 kDa under non-reducing (NR) condition on SDS-PAGE gel. |
| Purity: | >95 % as determined by SDS-PAGE. |
| Endotoxin Level: | Less than 0.1 EU per µg by the LAL method. |

## Target Details

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| Target: | Poliovirus Receptor (PVR) |

## Target Details

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| Alternative Name: | CD155 (PVR Products) |
| Background: | CD155 (cluster of differentiation 155) also known as the poliovirus receptor is a protein that is encoded by the PVR gene. CD155 is a Type I transmembrane glycoprotein in the immunoglobulin superfamily. Commonly known as Poliovirus Receptor (PVR) due to its involvement in the cellular poliovirus infection in primates, CD155's normal cellular function is in the establishment of intercellular adherens junctions between epithelial cells. The role of CD155 in the immune system is unclear, though it may be involved in intestinal humoral immune responses. Subsequent data has also suggested that CD155 may also be used to positively select MHC-independent T cells in the thymus. |
| Molecular Weight: | 62.2 kDa |
| NCBI Accession: | NP_006496 |
| Pathways: | Regulation of Leukocyte Mediated Immunity, Positive Regulation of Immune Effector Process, Cell-Cell Junction Organization, Cancer Immune Checkpoints, SARS-CoV-2 Protein Interactome |

## Application Details

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| Restrictions: | For Research Use only |

## Handling

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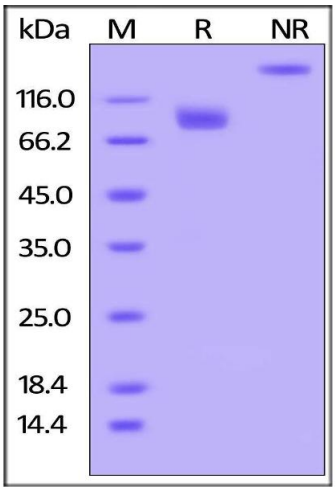
| Format: | Lyophilized |
| Buffer: | Tris with Glycine, Arginine and NaCl, pH 7.5 |
| Handling Advice: | Please avoid repeated freeze-thaw cycles. |
| Storage: | -20 °C |




## SDS-PAGE

**Image 1.** Human CD155, mouse IgG2a Fc Tag on SDS-PAGE under reducing (R) and no-reducing (NR) conditions. The gel was stained overnight with Coomassie Blue. The purity of the protein is greater than 95%.

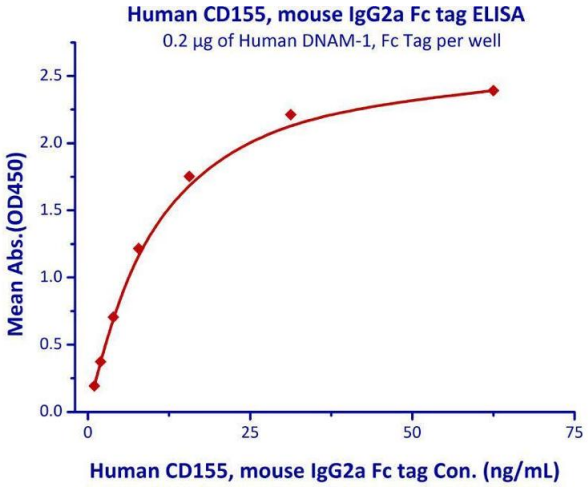



**Image 2.** Measured by its binding ability in a functional ELISA. Immobilized Human DNAM-1, Fc Tag with a linear range of 0.98-15.63 ng/mL.

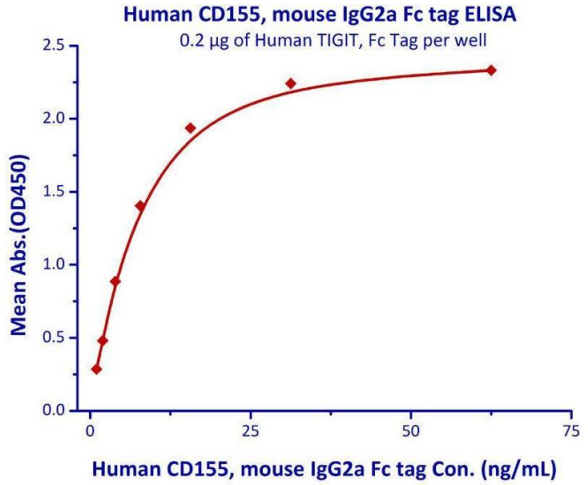



**Image 3.** Measured by its binding ability in a functional ELISA. Immobilized Human TIGIT, Fc Tag with a linear range of 0.98-7.81 ng/mL.