

# PRODUCT DATA SHEET



Bioworld Technology, Inc.

## CD367 Recombinant Protein

Catalog: NCP0362

Host: E.coli

Tag: His-tag

### BackGround:

C-type lectin receptor that binds carbohydrates mannose and fucose but also weakly interacts with N-acetylglucosamine (GlcNAc) in a Ca<sup>2+</sup>-dependent manner. Involved in regulating immune reactivity. Once triggered by antigen, it is internalized by clathrin-dependent endocytosis and delivers its antigenic cargo into the antigen presentation pathway resulting in cross-priming of CD8<sup>+</sup> T cells. This cross-presentation and cross-priming are enhanced by TLR7 and TLR8 agonists with increased expansion of the CD8<sup>+</sup> T cells, high production of IFNG and TNF with reduced levels of IL4, IL5 and IL13. In plasmacytoid dendritic cells, inhibits TLR9-mediated IFNA and TNF production. May be involved via its ITIM motif (immunoreceptor tyrosine-based inhibitory motifs) in the inhibition of B-cell-receptor-mediated calcium mobilization and protein tyrosine phosphorylation.

### Product:

PBS, 4M Urea, PH7.4

### Molecular Weight:

~24kDa

### Swiss-Prot:

Q9UMR7

### Purification&Purity:

Transferred into competent cells and the supernatant was purified by NI column affinity chromatography and the purity is > 85% (by SDS-PAGE).

### Restriction Sites:

NdeI-XhoI

### Storage&Stability:

Store at 4 °C short term. Aliquot and store at -20 °C long term. Avoid freeze-thaw cycles.

### Expression Vector:

pet-22b(+)

### DATA:



### Note:

For research use only, not for use in diagnostic procedure.

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