

# Active Recombinant Human CD73 protein, His-tagged, Biotinylated

**Cat. No.** CD73-3024H    **Lot. No.** (See product label)

## SPECIFICATION

|                         |                                                                                                                                                                                                                                                                                                                                                                                            |
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| <b>Product Overview</b> | Biotinylated Recombinant Human CD73 protein(Trp 27-Ser 549), fused with His tag, was expressed in HEK293.                                                                                                                                                                                                                                                                                  |
| <b>Species</b>          | Human                                                                                                                                                                                                                                                                                                                                                                                      |
| <b>Source</b>           | HEK293                                                                                                                                                                                                                                                                                                                                                                                     |
| <b>ProteinLength</b>    | Trp 27-Ser 549                                                                                                                                                                                                                                                                                                                                                                             |
| <b>Form</b>             | Lyophilized from 0.22 µm filtered solution in 20 mM Tris, 120 mM NaCl, pH7.5. Normally trehalose is added as protectant before lyophilization.                                                                                                                                                                                                                                             |
| <b>Bio-activity</b>     | Immobilized Monoclonal Anti-Human CD73 Antibody, Human IgG1 at 5 µg/mL (100 µL/well) can bind Biotinylated Human CD73, His,Avitag with a linear range of 0.6-5 ng/mL. Immobilized Biotinylated Human CD73, His,Avitag at 1 µg/mL (100 µL/well) on Streptavidin precoated (0.5 µg/well) plate, can bind Monoclonal Anti-Human CD73 Antibody, Human IgG1 with a linear range of 0.3-2 ng/mL. |
| <b>Molecular Mass</b>   | This protein carries a polyhistidine tag at the C-terminus, followed by an Avi tag (Avitag™). The protein has a calculated MW of 61.7 kDa. The protein migrates as 60 kDa under reducing (R) condition (SDS-PAGE) due to glycosylation.                                                                                                                                                    |
| <b>Endotoxin</b>        | Less than 1.0 EU per µg by the LAL method.                                                                                                                                                                                                                                                                                                                                                 |

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|-----------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Purity</b>         | >90% as determined by SDS-PAGE.                                                                                                                                                                                                                                                                     |
| <b>Storage</b>        | For long term storage, the product should be stored at lyophilized state at -20°C or lower. Please avoid repeated freeze-thaw cycles. This product is stable after storage at: -20°C to -70°C for 12 months in lyophilized state; -70°C for 3 months under sterile conditions after reconstitution. |
| <b>Reconstitution</b> | It is recommended that sterile water be added to the vial to prepare a stock solution of 0.2 ug/ul. Centrifuge the vial at 4°C before opening to recover the entire contents.                                                                                                                       |
| <b>Conjugation</b>    | Biotin                                                                                                                                                                                                                                                                                              |

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