Recombinant Human CD73/NT5E Protein (His Tag)

Catalog Number:PKSH032030



Note: Centrifuge before opening to ensure complete recovery of vial contents.

Description

Synonyms 5'-Nucleotidase;5'-NT;Ecto-5'-Nucleotidase;CD73;NT5E;NT5;NTE;CALJA;CD73;

E5NT:eN:eNT:NT

Species Human

Expression Host

Sequence
Trp27-Lys547

Accession
AAH65937.1

Calculated Molecular Weight
Observed molecular weight
Tag

C-His

Bioactivity Immobilized Human CD73-His at 2μg/ml (100 μl/well) can bind Anti-Human CD73

mAb.The ED₅₀ of Anti-Human CD73 mAb is 3.33 ng/ml.

Properties

Purity > 95 % as determined by reducing SDS-PAGE.

Endotoxin < 1.0 EU per µg of the protein as determined by the LAL method.

Storage Storage Store at $< -20^{\circ}$ C, stable for 6 months. Please minimize freeze-thaw cycles.

Shipping This product is provided as liquid. It is shipped at frozen temperature with blue

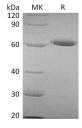
ice/gel packs. Upon receipt, store it immediately at < - 20°C.

Formulation Supplied as a 0.2 μm filtered solution of 20mM Tris-HCl, 120mM NaCl, 4mM

CaCl₂, 20% Glycerol, pH 7.5.

Reconstitution Not Applicable

Data



> 95 % as determined by reducing SDS-PAGE.

Background

CD73 is a glycosyl phosphatidylinositol (GPI) anchored membrane protein that belongs to the 5'-nucleotidase family. CD73 is an ecto 5'Nucleotidase expressed by most cell types. CD73 hydrolyzes extracellular nucleotides into membrane permeable nucleosides. CD73 is one of several enzymes responsible for the production of extracellular adenosine, a signaling molecule that is involved in responses to inflammation and tissue injury. CD73 is a lymphocyte maturation marker that has functions independent of its catalytic activity. CD73 is also a regulator of leukocyte extravasation, a function that requires its 5'Nucleotidase activity. Defects in NT5E are the cause of calcification of joints and arteries (CAJA). The recombinant CD73 lacking GPI anchor is secreted as a monomer.

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