

Recombinant Mouse 5'-Nucleotidase/CD73 protein (rFc Tag)

Catalog Number: Eg1389

Basic Information	Species: Mouse	Purity: >90 %, SDS-PAGE	Tag: rFc Tag
Technical Specifications	<p>Purity: >90 %, SDS-PAGE</p> <p>Endotoxin Level: <1.0 EU/ µg protein, LAL method</p> <p>Source: HEK293-derived Mouse 5'-Nucleotidase/CD73 protein Trp29-Ser551 (Accession# Q61503) with a rabbit IgG Fc tag at the C-terminus.</p> <p>GeneID: 23959</p> <p>Accession: Q61503</p> <p>Predicted Molecular Mass: 84.3 kDa</p> <p>SDS-PAGE:</p> <p>Formulation: Lyophilized from sterile PBS, pH 7.4. Normally 5% trehalose and 5% mannitol are added as protectants before lyophilization.</p>		
Biological Activity	Not tested		
Storage and Shipping	<p>Storage: It is recommended that the protein be aliquoted for optimal storage. Avoid repeated freeze-thaw cycles.</p> <ul style="list-style-type: none"> • Until expiry date, -20°C to -80°C as lyophilized proteins. • 3 months, -20°C to -80°C under sterile conditions after reconstitution. <p>Shipping: The product is shipped at ambient temperature. Upon receipt, store it immediately at the recommended temperature.</p>		
Reconstitution	Briefly centrifuge the tube before opening. Reconstitute at 0.1-0.5 mg/mL in sterile water.		
Background	<p>CD73, also known as ecto-5'-nucleotidase (5'-NT), is a 70-kDa, glycosyl-phosphatidylinositol-linked membrane-bound glycoprotein found in most tissues. CD73 is an ectoenzyme that catalyzes the dephosphorylation of AMP and other nucleoside monophosphates. In the human immune system, CD73 is expressed on subsets of T and B cells, on germinal center follicular dendritic cells, and on thymic medullary reticular fibroblasts and epithelial cells. CD73 is highly expressed in many human solid tumors and is closely involved in cancer progression.</p>		
References	<ol style="list-style-type: none"> 1. Colgan, Sean P et al. Purinergic signalling vol. 2,2 (2006): 351-60. 2. Jin, Dachuan et al. Cancer research vol. 70,6 (2010): 2245-55. 3. Resta, R et al. Immunological reviews vol. 161 (1998): 95-109. 4. Thomson, L F et al. Tissue antigens vol. 35,1 (1990): 9-19. 5. Jin, Dachuan et al. Cancer research vol. 70,6 (2010): 2245-55. 		
Synonyms	5'-deoxynucleotidase, 5'-NT, 5'-nucleotidase, CD73, EC:3.1.3.99		

Selected Validation Data

For technical support and original validation data for this product please contact

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