

FITC-Labeled CD72 Protein, Human (HEK293, Fc)

Cat. No.:	HY-P701280
Synonyms:	CD72; Lyb-2; Lyb2
Species:	Human
Source:	HEK293
Accession:	P21854 (R117-D359)
Gene ID:	971
Molecular Weight:	60-65 kDa

PROPERTIES

Appearance	Lyophilized powder.
Formulation	Lyophilized from 0.22 μ m filtered solution of PBS, pH7.4. Normally trehalose is added as protectant before lyophilization.
Endotoxin Level	<1 EU/ μ g, determined by LAL method.
Reconstitution	It is not recommended to reconstitute to a concentration less than 100 μ g/mL in ddH ₂ O.
Storage & Stability	Stored at -20°C for 1 year, protect from light. After reconstitution, it is stable at 4°C for 1 week or -20°C for longer (with carrier protein). It is recommended to freeze aliquots at -20°C or -80°C for extended storage.
Shipping	Room temperature in continental US; may vary elsewhere.

DESCRIPTION

Background	CD72 emerges as a key participant in the orchestration of B-cell proliferation and differentiation. Operating as a homodimer with disulfide linkages, it forms associations with CD5, thereby contributing to intricate signaling networks within the B-cell context. Additionally, CD72 engages in interactions, particularly tyrosine phosphorylation, with the protein tyrosine phosphatase PTPN6/SHP-1, indicating its involvement in modulating cellular responses through intricate phosphorylation-based regulatory mechanisms. This highlights the multifaceted role of CD72 in the dynamic landscape of B-cell function and signaling.
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Caution: Product has not been fully validated for medical applications. For research use only.

Tel: 609-228-6898

Fax: 609-228-5909

E-mail: tech@MedChemExpress.com

Address: 1 Deer Park Dr, Suite Q, Monmouth Junction, NJ 08852, USA