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CD74, 73-232aa, Human, His tag, Insect cell

产品货号: TP01533

第三版

别名: HLA class II histocompatibility antigen gamma chain isoform b, DHLAG, HLADG, Ia-GAMMA II

描述: CD74, also known as HLA class II histocompatibility antigen gamma chain or HLA-DR antigens-associated invariant chain or CD74 (Cluster of Differentiation 74). The nascent MHC class II protein in the rough ER has its peptide-binding cleft blocked by the invariant chain (Ii; a trimer) to prevent it from binding cellular peptides or peptides from the endogenous pathway. The invariant chain also facilitates MHC class II's export from the ER in a vesicle. The signal for endosomal targeting resides in the cytoplasmic tail of the invariant chain. This fuses with a late endosome containing the endocytosed, degraded proteins. It is then cleaved by cathepsin S (cathepsin L in cortical thymic epithelial cells), leaving only a small fragment called CLIP which blocks peptide binding until HLA-DM binds to MHC II, releasing CLIP and allowing other peptides to bind. The stable MHC class-II is then presented on the cell surface. Recombinant human CD74, fused to His-tag at C-terminus, was expressed in insect cell and purified by using conventional chromatography techniques.

配方: Liquid. In phosphate buffered saline (pH7.4) containing 10% glycerol.

分子量: 19.05kDa (166aa) 18-28kDa (SDS-PAGE under reducing conditions.)

序列:

QQQGRLDKLTVTSQNLQLENLRMKLPKPPKPVSKMRMATPLLMQALPMGALPQGPMQNATKYGNMTEDHVMHLLQN
ADPLKVYPPLKGSFPENLRHLKNTMETIDWKVFESWMHHWLLFEMSRHSLEQKPTDAPPKESLELEDPSGLGVTKQDLG
PVPMHHHHHH

纯度: > 95% by HPLC

浓度: 0.5mg/ml (determined by absorbance at 280nm)

内毒素: <1.0 EU per 1 ug of protein (determined by LAL method)

存储: +4 ° C 保存 (1-2 周). 长期保存在 -20 ° C 或者 -70 ° C. 避免反复冻融.