Datasheet for ABIN5853581

HLA-DRA Protein (AA 26-216) (His tag)

1 Image

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Overview

Quantity:	100 µg
Target:	HLA-DRA
Protein Characteristics:	AA 26-216
Origin:	Human
Source:	Escherichia coli (E. coli)
Protein Type:	Recombinant
Purification tag / Conjugate:	This HLA-DRA protein is labelled with His tag.
Application:	SDS-PAGE (SDS)

Product Details

Sequence:	MGSSHHHHHH SSGLVPRGSH MIKEEHVIIQ AEFYLNPDQS GEFMFDFDGD EIFHVDMAKK ETVWRLEEFG RFASFEAQGA LANIAVDKAN LEIMTKRSNY TPITNVPPEV TVLTNSPVEL REPNVLICFI DKFTPPVVNV TWLRNGKPVT TGVSETVFLP REDHLFRKFH YLPFLPSTED VYDCRVEHWG LDEPLLKHWE FDAPSPLPET TE
Purity:	> 90 % by SDS - PAGE

Target Details

Target:	HLA-DRA
Alternative Name:	HLA-DRA (HLA-DRA Products)
Background:	Major histocompatibility complex, class II, DR alpha, also known as HLA-DRA, binds peptides derived from antigens that access the endocytic route of antigen presenting cells (APC) and

Target Details

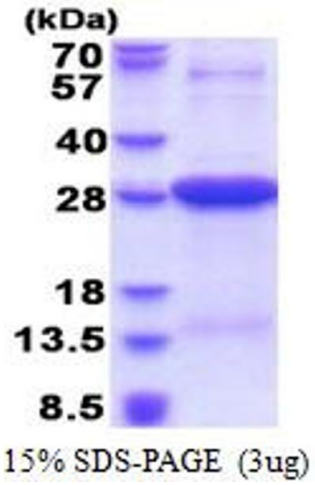
	presents them on the cell surface for recognition by the CD4 T-cells. The peptide binding cleft accommodates peptides of 10-30 residues. The peptides presented by MHC class II molecules are generated mostly by degradation of proteins that access the endocytic route, where they are processed by lysosomal proteases and other hydrolases. Recombinant human HLA-DRA, fused to His-tag at N-terminus, was expressed in E.coli and purified by using conventional chromatography techniques.
Molecular Weight:	24.3 kDa (212aa) confirmed by MALDI-TOF
NCBI Accession:	NP_061984
UniProt:	P01903
Pathways:	TCR Signaling, CXCR4-mediated Signaling Events, Human Leukocyte Antigen (HLA) in Adaptive Immune Response

Application Details

Application Notes:	Optimal working dilution should be determined by the investigator.
Restrictions:	For Research Use only

Handling

Format:	Liquid
Concentration:	0.5 mg/mL
Buffer:	Liquid. In 20 mM Tris-HCl buffer (pH 8.0) containing 0.15M NaCl, 10 % glycerol, 1 mM DTT
Storage:	4 °C,-20 °C,-80 °C
Storage Comment:	Can be stored at +4C short term (1-2 weeks). For long term storage, aliquot and store at -20C or -70C. Avoid repeated freezing and thawing cycles.



SDS-PAGE

Image 1.