Datasheet for ABIN7583216

HLAG Protein (AA 25-305, Tetramer) (APC,His tag,Peptide (RIIPRHLQL))

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Overview

Quantity:	100 μg
Target:	HLAG
Protein Characteristics:	AA 25-305, Tetramer
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This HLAG protein is labelled with APC,His tag,Peptide (RIIPRHLQL).

Product Details

Purpose:	APC-equivalent Human HLA-G&B2M&Peptide (RIIPRHLQL) Tetramer Protein
Sequence:	Gly25-Thr305(HLA-G), Ile21-Met119(B2M) and RIIPRHLQL peptide
Characteristics:	Recombinant APC-equivalent Human HLA-G&B2M&Peptide (RIIPRHLQL) Tetramer Protein is expressed from HEK293 with His tag at the C-terminus.It contains Gly25-Thr305 (HLA-G), Ile21-Met119 (B2M) and RIIPRHLQL peptide.
Sterility:	0.22 μm filtered
Endotoxin Level:	Less than 1EU per μg by the LAL method.

Target Details

Target:	HLAG
Alternative Name:	HLA-G (HLAG Products)

Target Details

Background:	HLA-G is a molecule that was first known to confer protection to the fetus from destruction by the immune system of its mother, thus critically contributing to fetal-maternal tolerance. The first functional finding constituted the basis for HLA-G research and can be summarized as such: HLA-G, membrane-bound or soluble, strongly binds its inhibitory receptors on immune cells (NK, T, B, monocytes/dendritic cells), inhibits the functions of these effectors, and so induces immune inhibition.
Molecular Weight:	301.2 kDa.
Pathways:	Regulation of Leukocyte Mediated Immunity, Positive Regulation of Immune Effector Process, Cancer Immune Checkpoints, Human Leukocyte Antigen (HLA) in Adaptive Immune Response

Application Details

Restrictions:	For Research Use only

Handling

Format:	Liquid
Buffer:	Supplied as 0.22 µm filtered solution in PBS (pH 7.4).
Storage:	-80 °C
Storage Comment:	Valid for 12 months from date of receipt when stored at -80°C., Recommend to aliquot the protein into smaller quantities for optimal storage. Please minimize freeze-thaw cycles.
Expiry Date:	12 months