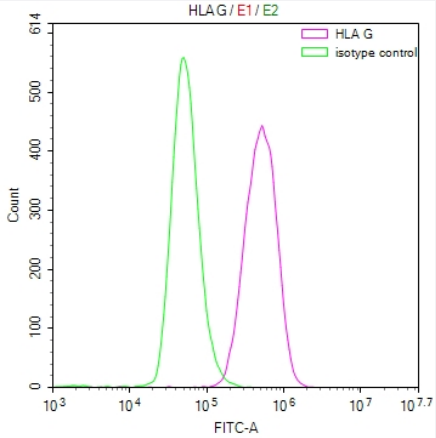
RecomAb™ Sm Size

HLA-G recombinant monoclonal antibody, clone 17A5

Catalog # RAB08554 Size 50 uL

Applications



Flow Cytometry

Overlay Peak curve showing U937 cells stained with HLA-G recombinant monoclonal antibody, clone 17A5 (red line) at 1:50.

Specification

Product Description	Rabbit recombinant monoclonal antibody raised against human HLA-G.
Antibody Species	Rabbit
Immunogen	Original antibody is raised against a synthetic peptide corresponding to human HLA-G.
Reactivity	Human
Form	Liquid
Preparation Method	Mammalian cell (HEK293) expression system
Purification	Affinity chromatography purification
Isotype	IgG
Recommend Usage	ELISA Flow Cytometry(1:50-1:200) The optimal working dilution should be determined by the end user.

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Storage Buffer	In PBS, pH7.4 (150 mM NaCl, 0.02% sodium azide and 50% glycerol)
Storage Instruction	Store at -20°C or -80°C. Aliquot to avoid repeated freezing and thawing.
Note	This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which shoul d be handled by trained staff only.

Applications

- Flow Cytometry

  Overlay Peak curve showing U937 cells stained with HLA-G recombinant monoclonal antibody, clone 17A5 (red line) at 1:50.

- Enzyme-linked Immunoabsorbent Assay

Gene Info — HLA-G

Entrez GeneID	3135
Protein Accession#	P17693
Gene Name	HLA-G
Gene Alias	MHC-G
Gene Description	major histocompatibility complex, class I, G
Omim ID	142871 600807
Gene Ontology	Hyperlink
Gene Summary	HLA-G belongs to the HLA class I heavy chain paralogues. This class I molecule is a heterodimer consisting of a heavy chain and a light chain (beta-2 microglobulin). The heavy chain is anchored i n the membrane. HLA-G is expressed on fetal derived placental cells. The heavy chain is approxi mately 45 kDa and its gene contains 8 exons. Exon one encodes the leader peptide, exons 2 and 3 encode the alpha1 and alpha2 domain, which both bind the peptide, exon 4 encodes the alpha3 domain, exon 5 encodes the transmembrane region, and exon 6 encodes the cytoplasmic tail. [pr ovided by RefSeq
Other Designations	HLA class I molecule|HLA-G histocompatibility antigen, class I, G|MHC class I antigen|OTTHUMP 00000039485|b2 microglobulin

Pathway

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- Allograft rejection
- Antigen processing and presentation
- Autoimmune thyroid disease
- Cell adhesion molecules (CAMs)
- Endocytosis
- Graft-versus-host disease
- Natural killer cell mediated cytotoxicity
- Type I diabetes mellitus

Disease

- Abortion
- Anemia
- Arthritis
- Asthma
- Autoimmune Diseases
- Behcet Syndrome
- Birth Weight
- Bronchial Hyperreactivity
- Carcinoma
- Cardiomyopathy
- Cardiovascular Diseases
- Cervical Intraepithelial Neoplasia
- Cholestasis
- Chorioamnionitis
- Colitis
- Coronary Aneurysm

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- Crohn Disease
- Cytomegalovirus Infections
- Diabetes Mellitus
- Disease Progression
- Disease Susceptibility
- Ductus Arteriosus
- Eclampsia
- Edema
- Fetal Diseases
- Fetal Membranes
- Gastrointestinal Diseases
- Genetic Predisposition to Disease
- Graft vs Host Disease
- Hepatitis
- Hepatitis C
- HIV Infections
- Hypersensitivity
- Infant
- Infection
- Infertility
- Lupus Erythematosus
- Mucocutaneous Lymph Node Syndrome
- Multiple Sclerosis
- Obstetric Labor
- Papillomavirus Infections
- Photosensitivity Disorders

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- Pneumonia
- Pre-Eclampsia
- Pregnancy Complications
- Premature Birth
- Prenatal Exposure Delayed Effects
- Psoriasis
- Purpura
- Sarcoidosis
- Thalassemia
- Tobacco Use Disorder
- Urinary Bladder Neoplasms
- Uterine Cervical Neoplasms

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