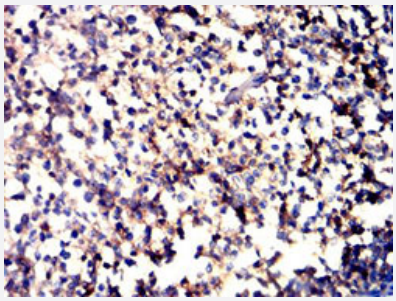
ITGAL monoclonal antibody, clone 5G7C5

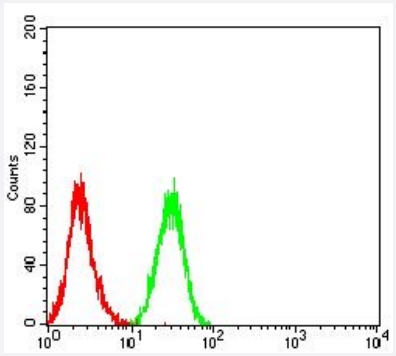
Catalog # MAB21349 Size 100 ug

Applications



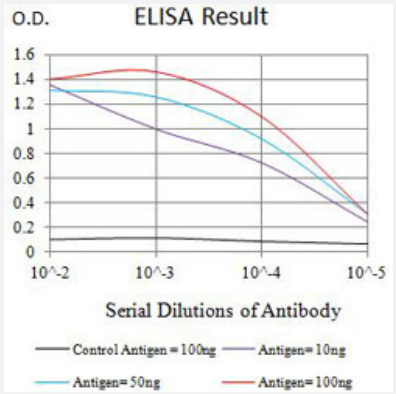
Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)

Immunohistochemical staining (Formalin-fixed paraffin-embedded sections) of human tonsil with ITGAL monoclonal antibody, clone 5G7C5 (Cat # MAB21349).



Flow Cytometry

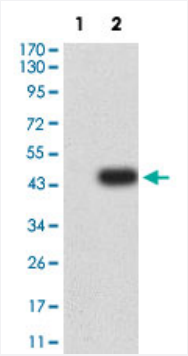
Flow cytometric analysis of HL-60 cells with ITGAL monoclonal antibody, clone 5G7C5 (Cat # MAB21349) (Green). Red: Negative Control.



Enzyme-linked Immunoabsorbent Assay

ELISA analysis with ITGAL monoclonal antibody, clone 5G7C5 (Cat # MAB21349).

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Western Blot (Transfected lysate)

Western Blot analysis of Lane 1: HEK293 and Lane 2: ITGAL-hIgGFc transfected HEK293 cell lysates with ITGAL monoclonal antibody, clone 5G7C5 (Cat # MAB21349).

Specification

Product Description	Mouse monoclonal antibody raised against partial recombinant human ITGAL.
Immunogen	Recombinant protein corresponding to amino acids 26-194 of human ITGAL.
Host	Mouse
Theoretical MW (kDa)	128.8
Reactivity	Human
Form	Liquid
Isotype	IgG2a
Recommend Usage	ELISA (1:10000) Flow Cytometry (1:200-1:400) Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) (1:200-1:1000) Western Blot (1:500-1:2000) The optimal working dilution should be determined by the end user.
Storage Buffer	In PBS (0.05% sodium azide).
Storage Instruction	Store at 4°C. For long term storage store at -20°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

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- Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)

  Immunohistochemical staining (Formalin-fixed paraffin-embedded sections) of human tonsil with ITGAL monoclonal antibody, clone 5G7C5 (Cat # MAB21349).

- Flow Cytometry

  Flow cytometric analysis of HL-60 cells with ITGAL monoclonal antibody, clone 5G7C5 (Cat # MAB21349) (Green). Red: Negative Control.

- Enzyme-linked Immunoabsorbent Assay

  ELISA analysis with ITGAL monoclonal antibody, clone 5G7C5 (Cat # MAB21349).

- Western Blot (Transfected lysate)

  Western Blot analysis of Lane 1: HEK293 and Lane 2: ITGAL-hIgGFc transfected HEK293 cell lysates with ITGAL monoclonal antibody, clone 5G7C5 (Cat # MAB21349).

Gene Info — ITGAL

Entrez GeneID	3683
Protein Accession#	P20701
Gene Name	ITGAL
Gene Alias	CD11A, LFA-1, LFA1A
Gene Description	integrin, alpha L (antigen CD11A (p180), lymphocyte function-associated antigen 1; alpha polypeptide)
Omim ID	153370
Gene Ontology	Hyperlink
Gene Summary	ITGAL encodes the integrin alpha L chain. Integrins are heterodimeric integral membrane proteins composed of an alpha chain and a beta chain. This I-domain containing alpha integrin combines with the beta 2 chain (ITGB2) to form the integrin lymphocyte function-associated antigen-1 (LFA-1), which is expressed on all leukocytes. LFA-1 plays a central role in leukocyte intercellular adhesion through interactions with its ligands, ICAMs 1-3 (intercellular adhesion molecules 1 through 3), and also functions in lymphocyte costimulatory signaling. Two transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq
Other Designations	LFA-1 alpha|antigen CD11A (p180), lymphocyte function-associated antigen 1, alpha polypeptide |integrin alpha L|integrin gene promoter|lymphocyte function-associated antigen 1

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Pathway

- Cell adhesion molecules (CAMs)
- Leukocyte transendothelial migration
- Natural killer cell mediated cytotoxicity
- Regulation of actin cytoskeleton

Disease

- Cardiovascular Diseases
- Diabetes Mellitus
- Edema
- Genetic Predisposition to Disease
- Helicobacter Infections
- Stomach Ulcer

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