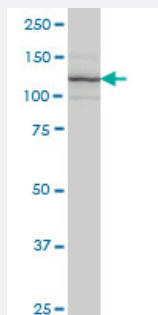


ITGA7 monoclonal antibody (M01), clone 8G2

Catalog # H00003679-M01

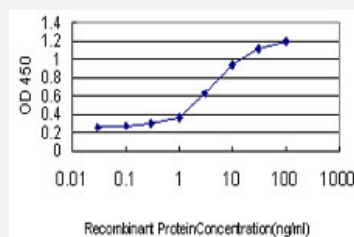
Size 100 ug

Applications



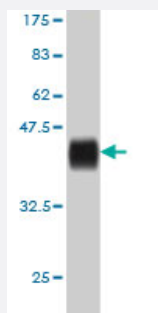
Western Blot (Cell lysate)

ITGA7 monoclonal antibody (M01), clone 8G2 Western Blot analysis of ITGA7 expression in Jurkat (Cat # L017V1).



Sandwich ELISA (Recombinant protein)

Detection limit for recombinant GST tagged ITGA7 is approximately 0.1ng/ml as a capture antibody.



Western Blot detection against Immunogen (36.74 KDa) .

Specification

Product Description

Mouse monoclonal antibody raised against a partial recombinant ITGA7.

Immunogen	ITGA7 (NP_002197, 478 a.a. ~ 577 a.a) partial recombinant protein with GST tag. MW of the GST tag alone is 26 KDa.
Sequence	SHEVSIAPRSIDLEQPNCAAGHSVCVDLRVCFSYIAVPSSYSPTVALDYVLDADTDRRLRGQVPR VTFLSRNLEEPKHQASGTVWLKHQHDRVCGDAMFQ
Host	Mouse
Reactivity	Human
Interspecies Antigen Sequence	Mouse (77); Rat (73)
Isotype	IgG2a Kappa
Quality Control Testing	Antibody Reactive Against Recombinant Protein. Western Blot detection against Immunogen (36.74 KDa) .
Storage Buffer	In 1x PBS, pH 7.4
Storage Instruction	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

Applications

- Western Blot (Cell lysate)

ITGA7 monoclonal antibody (M01), clone 8G2 Western Blot analysis of ITGA7 expression in Jurkat (Cat # L017V1).

[Protocol Download](#)

- Western Blot (Recombinant protein)

[Protocol Download](#)

- Sandwich ELISA (Recombinant protein)

Detection limit for recombinant GST tagged ITGA7 is approximately 0.1ng/ml as a capture antibody.

[Protocol Download](#)

- ELISA

Gene Info — ITGA7

Entrez GeneID [3679](#)

GeneBank Accession#	NM_002206
Protein Accession#	NP_002197
Gene Name	ITGA7
Gene Alias	FLJ25220
Gene Description	integrin, alpha 7
Omim ID	600536
Gene Ontology	Hyperlink
Gene Summary	The protein encoded by this gene belongs to the integrin alpha chain family. Integrins are heterodimeric integral membrane proteins composed of an alpha chain and a beta chain. They mediate a wide spectrum of cell-cell and cell-matrix interactions, and thus play a role in cell migration, morphologic development, differentiation, and metastasis. This protein functions as a receptor for the basement membrane protein laminin-1. It is mainly expressed in skeletal and cardiac muscles and may be involved in differentiation and migration processes during myogenesis. Defects in this gene are associated with congenital myopathy. Alternatively spliced transcript variants encoding different isoforms have been noted for this gene. [provided by RefSeq]
Other Designations	integrin alpha 7 integrin alpha 7 chain

Publication Reference

- [Integrin \$\alpha 7 \beta 1\$ represses intestinal absorptive cell differentiation.](#)

Gabriel Cloutier, Amira Seltana, Sepideh Fallah, Jean-François Beaulieu.

Experimental Cell Research 2023 Sep; 430(2):113723.

Application: WB-Ce, Human, Caco-2/15 cell

- [Disease-modifying effects of orally bioavailable NF- \$\kappa\$ B inhibitors in dystrophin-deficient muscle.](#)

Hammers DW, Sleeper MM, Forbes SC, Coker CC, Jirousek MR, Zimmer M, Walter GA, Sweeney HL.

JCI Insight 2016 Dec; 1(21):e90341.

Application: WB, Mouse, Mouse muscle

Pathway

- [Arrhythmogenic right ventricular cardiomyopathy \(ARVC\)](#)
- [ECM-receptor interaction](#)
- [Focal adhesion](#)

- [Hypertrophic cardiomyopathy \(HCM\)](#)
- [Regulation of actin cytoskeleton](#)

Disease

- [Adenocarcinoma](#)
- [Esophageal Neoplasms](#)