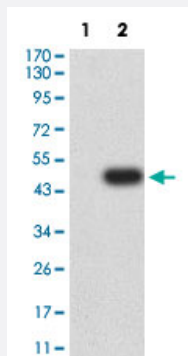


JAG1 monoclonal antibody, clone 7C7H2

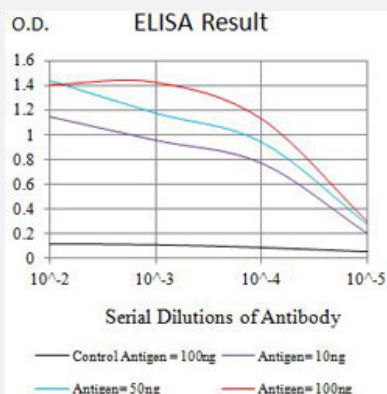
Catalog # MAB21375 Size 100 ug

Applications



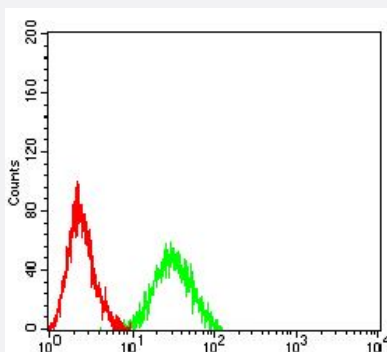
Western Blot (Transfected lysate)

Western Blot analysis of Lane 1: HEK293 and Lane 2: JAG1-hlgGfC transfected HEK293 cell lysates with JAG1 monoclonal antibody, clone 7C7H2 (Cat # MAB21375).



Enzyme-linked Immunoabsorbent Assay

ELISA analysis with JAG1 monoclonal antibody, clone 7C7H2 (Cat # MAB21375).



Flow Cytometry

Flow cytometric analysis of HL-60 cells with JAG1 monoclonal antibody, clone 7C7H2 (Cat # MAB21375) (Green). Red: Negative Control.

Specification

Product Description	Mouse monoclonal antibody raised against partial recombinant human JAG1.
Immunogen	Recombinant protein corresponding to amino acids 47-212 of human JAG1.
Host	Mouse
Theoretical MW (kDa)	133.8
Reactivity	Human
Form	Liquid
Isotype	IgG1
Recommend Usage	ELISA (1:10000) Flow Cytometry (1:200-1:400) 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 should be handled by trained staff only.

Applications

- Western Blot (Transfected lysate)

Western Blot analysis of Lane 1: HEK293 and Lane 2: JAG1-hlgGFc transfected HEK293 cell lysates with JAG1 monoclonal antibody, clone 7C7H2 (Cat # MAB21375).

- Enzyme-linked Immunoabsorbent Assay

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Gene Info — JAG1

Entrez GeneID [182](#)

Protein Accession# [P78504](#)

Gene Name	JAG1
Gene Alias	AGS, AHD, AWS, CD339, HJ1, JAGL1, MGC104644
Gene Description	jagged 1 (Alagille syndrome)
Omim ID	118450 187500 601920
Gene Ontology	Hyperlink
Gene Summary	The jagged 1 protein encoded by JAG1 is the human homolog of the Drosophila jagged protein. Human jagged 1 is the ligand for the receptor notch 1, the latter a human homolog of the Drosophila jagged receptor notch. Mutations that alter the jagged 1 protein cause Alagille syndrome. Jagged 1 signalling through notch 1 has also been shown to play a role in hematopoiesis. [provided by RefSeq]
Other Designations	OTTHUMP00000030278jagged 1

Pathway

- [Notch signaling pathway](#)

Disease

- [Alagille Syndrome](#)
- [Alzheimer disease](#)
- [Brain Diseases](#)
- [CADASIL](#)
- [Cardiovascular Diseases](#)
- [Cerebral Amyloid Angiopathy](#)
- [Chromosome Deletion](#)
- [Cleft Lip](#)
- [Cleft Palate](#)
- [Diabetes Mellitus](#)
- [Down Syndrome](#)
- [Edema](#)

- [Fractures](#)
- [Genetic Predisposition to Disease](#)
- [Heart Defects](#)
- [Hepatitis C](#)
- [Kidney Failure](#)
- [Multiple Sclerosis](#)
- [Neuroblastoma](#)
- [Osteoporosis](#)
- [Pulmonary Valve Stenosis](#)
- [Tetralogy of Fallot](#)