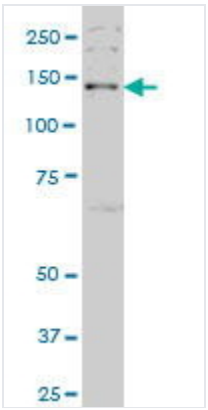
JAG2 Antibody – Mouse Monoclonal

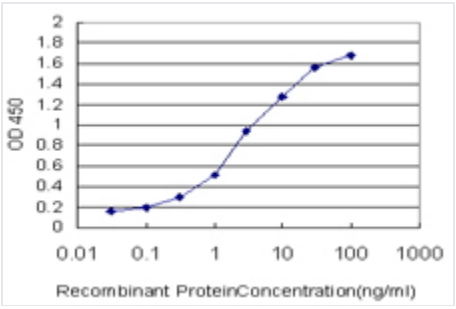
PRODUCT OVERVIEW

Product Name	JAG2, Monoclonal Antibody
Full Product Name	JAG2 (Jagged 2, HJ2, SER2) (Biotin)
Product Gene Name	anti-JAG2 antibody
Product Synonym Names	Jagged 2; HJ2; SER2
Clonality	Monoclonal
Isotype	IgG1,k
Clone Number	4G10
Host	Mouse
Form/Format	Supplied as a liquid in PBS, pH 7.2. No preservative added. Labeled with Biotin.
Purity/Purification	Purified
Specificity	Recognizes JAG2.
Preparation and Storage	Store product at 4 degree C if to be used immediately within two weeks. For long-term storage, aliquot to avoid repeated freezing and thawing and store at -20 degree C. Aliquots are stable at -20 degree C for 12 months after receipt. Dilute required amount only prior to immediate use. Further dilutions can be made in assay buffer. For maximum recovery of product, centrifuge the original vial after thawing and prior to removing the cap.
Molecular Weight	130kDa
3D Structure	ModBase 3D Structure for Q9Y219
Immunogen	JAG2 (NP_002217, 121aa-210aa) partial recombinant protein with GST tag. MW of the GST tag alone is 26kD.
Immunogen Sequence	AGGDQDPGLVVIPFQFAWPRSFTLIVEAWDWDNDTTPNEELLIERVSHAGMINPEDRWKSLHFSGHVAHLELQIRVRCDENYYSAPCNKF
Conjugate	Biotin
Product Categories/Family for anti-JAG2 antibody	Antibodies; Notch Proteins
Applications Tested/Suitable for anti-JAG2 antibody	Western Blot (WB)
Application Notes for anti-JAG2 antibody	Applications are based on unconjugated antibody.
Related Product Information for anti-JAG2 antibody	The Notch signaling pathway is an intercellular signaling mechanism that is essential for proper embryonic development. Members of the Notch gene family encode transmembrane receptors that are critical for various cell fate decisions. The protein encoded by this gene is one of several ligands that activate Notch and related receptors. Two transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq]
Other Notes	Small volumes of anti-JAG2 antibody vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container`s cap. Certain products may require to ship with dry ice and additional dry ice fee may apply.

Searchable Terms for JAG2 purchase	MBS6171239 is an antibody targeting JAG2. Also known as JAG2 (Jagged 2, HJ2, SER2) (Biotin). Host: Mouse.



Western Blot (WB) of anti-JAG2 antibody
JAG2 monoclonal antibody (M10), clone 4G10 Western Blot analysis of JAG2 expression in K-562.



Testing Data of anti-JAG2 antibody
Detection limit for recombinant GST tagged JAG2 is approximately 0.1ng/ml as a capture antibody.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for JAG2. It may not necessarily be applicable to this product.

NCBI GI #	21704277
NCBI GeneID	3714
NCBI Accession #	NP_002217
UniProt Primary Accession #	Q9Y219
UniProt Related Accession #	Q9Y219
GenBank Nucleotide #	NM_002226
NCBI Official Full Name	protein jagged-2 isoform a
NCBI Official Synonym Full Names	jagged canonical Notch ligand 2
NCBI Official Symbol	JAG2
NCBI Official Synonym Symbols	HJ2; SER2
UniProt Protein Name	Protein jagged-2
Protein Family	Protein jagged
UniProt Gene Name	JAG2
UniProt Synonym Gene Names	Jagged2; hJ2
NCBI Protein Information	protein jagged-2
UniProt Comments for JAG2	Putative Notch ligand involved in the mediation of Notch signaling. Involved in limb development ().
Research Articles on JAG2	**1.** In CL+/-P Malay patients, the prevalence of mutations in the Jagged2 gene was 12.5%. Three variants (g.19779C>T, g.19547G>A, and g.19712C>T) were identified in the Jagged2 gene among nonsyndromic CL+/-P and noncleft patients. Only g.19712C>T showed a significant association with nonsyndromic CL+/-P patients (P = .039).
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