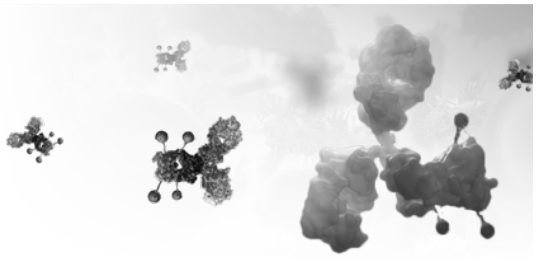

Human MYO9B blocking peptide (CDBP1951)

This product is for research use only and is not intended for diagnostic use.

PRODUCT INFORMATION

Product Overview	Blocking/Immunizing peptide for anti-Myosin IXB antibody
Antigen Description	This gene encodes a member of the myosin family of actin-based molecular motor heavy chain proteins. The protein represents an unconventional myosin; it should not be confused with the conventional non-muscle myosin-9 (MYH9). The protein has four IQ motifs located in the neck domain that bind calmodulin, which serves as a light chain. The protein complex has a single-headed structure and exhibits processive movement on actin filaments toward the minus-end. The protein also has rho-GTPase activity. Polymorphisms in this gene are associated with celiac disease and ulcerative colitis susceptibility. Multiple transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Dec 2011]
Species	Human
Conjugate	Unconjugated
Applications	Apuri, BL, ELISA
Format	Lyophilized powder
Size	100 µg
Preservative	None
Storage	Shipped at ambient temperature, store at -20°C.

GENE INFORMATION

Gene Name	MYO9B myosin IXB [Homo sapiens (human)]
Official Symbol	MYO9B

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Synonyms	MYO9B; myosin IXB; MYR5; CELIAC4; unconventional myosin-IXb; myosin-IXb; unconventional myosin-9b; unconventional myosin IXb;
Entrez Gene ID	4650
mRNA Refseq	NM_001130065.1
Protein Refseq	NP_001123537.1
UniProt ID	Q4LE74
Chromosome Location	19p13.1
Pathway	Fcgamma receptor (FCGR) dependent phagocytosis, organism-specific biosystem; Immune System, organism-specific biosystem; Innate Immune System, organism-specific biosystem; Regulation of RhoA activity, organism-specific biosystem; Regulation of actin dynamics for phagocytic cup formation, organism-specific biosystem; Rho GTPase cycle, organism-specific biosystem; Signal Transduction, organism-specific biosystem; Signaling by Rho GTPases, organism-specific biosystem;
Function	ADP binding; ATP binding; ATP-dependent protein binding; ATPase activity; Rho GTPase activator activity; actin binding; actin filament binding; actin-dependent ATPase activity; calmodulin binding; microfilament motor activity; protein binding; NOT protein

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