PROK1 Antibody – Mouse Monoclonal

PRODUCT OVERVIEW

Product Name	PROK1, Monoclonal Antibody
Full Product Name	PROK1 (Prokineticin-1, Endocrine-gland-derived Vascular Endothelial Growth Factor, EG-VEGF, Mambakine, UNQ600/PRO1186) (MaxLight 490)
Product Gene Name	anti-PROK1 antibody
Clonality	Monoclonal
Isotype	IgG2b,k
Clone Number	3C3
Host	Mouse
Species Reactivity	Human
Form/Format	Supplied as a liquid in PBS, pH 7.2. No preservative added. Labeled with MaxLight490.
Purity/Purification	Purified by Protein A Affinity Chromatography.
Specificity	Recognizes human PROK1.
Preparation and Storage	Store product at 4 degree C in the dark. DO NOT FREEZE! Stable at 4 degree C for 12 months after receipt as an undiluted liquid. Dilute required amo prior to immediate use. Further dilutions can be made in assay buffer. Caution: MaxLight490 conjugates are sensitive to light. For maximum recovery o product, centrifuge the original vial prior to removing the cap.
Immunogen	Full length recombinant corresponding to aa1-106 from human PROK1 (AAH25399) with GST tag. MW of the GST tag alone is 26kD.
Immunogen Sequence	MRGATRVSIMLLLVTVSDCAVITGACERDVQCGAGTCCAISLWLRGLRMCTPLGREGEECHPGSHKIPFFRKRKHHTCPCLPNLLCSRFPDGRYRCSMD
Conjugate	MaxLight490
Product Categories/Family for anti-PROK1 antibody	Antibodies; Growth Factors; Cytokines
Applications Tested/Suitable for anti-PROK1 antibody	FLISA
Application Notes for anti-PROK1 antibody	Applications are based on unconjugated antibody.
Related Product Information for anti-PROK1 antibody	Potently contracts gastrointestinal (GI) smooth muscle. Induces proliferation, migration and fenestration (the formation of membrane discontinuities) in endothelial cells derived from endocrine glands. Has little or no effect on a variety of other endothelial and non-endothelial cell types. Induces proliferati differentiation, but not migration, of enteric neural crest cells. Directly influences neuroblastoma progression by promoting the proliferation and migratio neuroblastoma cells. Positively regulates PTGS2 expression and prostaglandin synthesis. May play a role in placentation. May play a role in normal an pathological testis angiogenesis.
Other Notes	Small volumes of anti-PROK1 antibody vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If neces 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 add dry ice fee may apply.

Searchable Terms for PROK1 purchase	MBS6202691 is an antibody targeting PROK1. Also known as PROK1 (Prokineticin-1, Endocrine-gland-derived Vascular Endothelial Growth Factor, EG VEGF, Mambakine, UNQ600/PRO1186) (MaxLight 490). Reactive in Human. Host: Mouse.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for PROK1. It may not necessarily be applicable to this product.

NCBI GI #	19263964
NCBI GeneID	84432
NCBI Accession #	BC025399
NCBI Related Accession #	AAH25399
UniProt Related Accession #	P58294
NCBI Official Full Name	Homo sapiens prokineticin 1, mRNA
NCBI Official Synonym Full Names	prokineticin 1
NCBI Official Symbol	PROK1
NCBI Official Synonym Symbols	PK1; PRK1; EGVEGF
Protein Family	Prokineticin
NCBI Protein Information	prokineticin-1
NCBI Summary for PROK1	The protein encoded by this gene induces proliferation, migration, and fenestration (the formation of membrane discontinuities) in capillary endothelial cells derived from endocrine glands. It has little or no effect on a variety of other endothelial and non-endothelial cell types. Its expression is restricted to the steroidogenic glands (ovary, testis, adrenal, and placenta), is induced by hypoxia, and often complementary to the expression of vascular endothelial growth factor (VEGF), suggesting that these molecules function in a coordinated manner. [provided by RefSeq, Sep 2011]
Research Articles on PROK1	**1.** PROK-1 and its receptors are involved in the pathogenesis and development of endometriosis
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