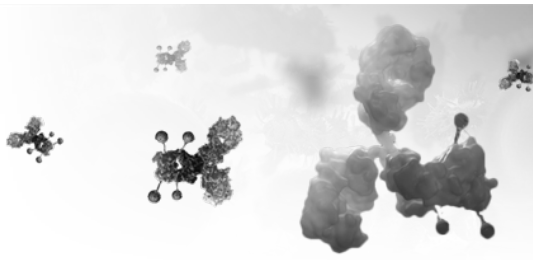

Human HYAL2 blocking peptide (DAG-P1683)

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

PRODUCT INFORMATION

Antigen Description	This gene encodes a weak acid-active hyaluronidase. The encoded protein is similar in structure to other more active hyaluronidases. Hyaluronidases degrade hyaluronan, one of the major glycosaminoglycans of the extracellular matrix. Hyaluronan and fragments of hyaluronan are thought to be involved in cell proliferation, migration and differentiation. Although it was previously thought to be a lysosomal hyaluronidase that is active at a pH below 4, the encoded protein is likely a GPI-anchored cell surface protein. This hyaluronidase serves as a receptor for the oncogenic virus Jaagsiekte sheep retrovirus. The gene is one of several related genes in a region of chromosome 3p21.3 associated with tumor suppression. This gene encodes two alternatively spliced transcript variants which differ only in the 5 UTR.[provided by RefSeq, Mar 2010]
Specificity	Widely expressed. No expression detected in adult brain.
Purity	70 - 90% by HPLC.
Conjugate	Unconjugated
Applications	BL
Sequence Similarities	Belongs to the glycosyl hydrolase 56 family.Contains 1 EGF-like domain.
Format	Liquid
Preservative	None
Storage	Shipped at 4°C. Upon delivery aliquot and store at -20°C or -80°C. Avoid repeated freeze / thaw cycles. Information available upon request.

GENE INFORMATION

Gene Name	HYAL2 hyaluronoglucosaminidase 2 [Homo sapiens (human)]

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Official Symbol	HYAL2
Synonyms	HYAL2; hyaluronoglucosaminidase 2; LUCA2; hyaluronidase-2; hyal-2; PH20 homolog; PH-20 homolog; hyaluronidase 2; lysosomal hyaluronidase; lung carcinoma protein 2; hyaluronoglucosaminidase-2;
Entrez Gene ID	8692
mRNA Refseq	NM_003773.4
Protein Refseq	NP_003764.3
UniProt ID	Q12891
Chromosome Location	3p21.3
Pathway	Chondroitin sulfate degradation, organism-specific biosystem; Chondroitin sulfate degradation, conserved biosystem; Dermatan sulfate degradation, organism-specific biosystem; Dermatan sulfate degradation, conserved biosystem; Disease, organism-specific biosystem; Glycosaminoglycan degradation, organism-specific biosystem; Glycosaminoglycan degradation, conserved biosystem; Glycosaminoglycan metabolism, organism-specific biosystem; Hyaluronan metabolism, organism-specific biosystem; Hyaluronan up
Function	enzyme binding; hyaluronic acid binding; hyaluronoglucuronidase activity; hyalurononglucosaminidase activity; NOT hyalurononglucosaminidase activity; hyalurononglucosaminidase activity; protein binding; receptor signaling protein tyrosine kinase inhibitor

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