



# FAP blocking peptide (DAG-P0494)

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

## PRODUCT INFORMATION

**Antigen Description** The protein encoded by this gene is a homodimeric integral membrane gelatinase belonging to the serine protease family. It is selectively expressed in reactive stromal fibroblasts of epithelial cancers, granulation tissue of healing wounds, and malignant cells of bone and soft tissue sarcomas. This protein is thought to be involved in the control of fibroblast growth or epithelial-mesenchymal interactions during development, tissue repair, and epithelial carcinogenesis. Alternatively spliced transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Apr 2014]

<b>Specificity</b>	Fibroblast specific.
<b>Nature</b>	Synthetic
<b>Expression System</b>	N/A
<b>Conjugate</b>	Unconjugated
<b>Applications</b>	BL
<b>Sequence Similarities</b>	Belongs to the peptidase S9B family.
<b>Cellular Localization</b>	Cell membrane. Cell projection > lamellipodium membrane. Cell projection > invadopodium membrane. Found in cell surface lamellipodia, invadopodia and on shed vesicles. Colocalized with DPP4 in invadopodia and lamellipodia of migratory activated endo
<b>Procedure</b>	None
<b>Format</b>	Liquid
<b>Buffer</b>	pH: 8.50Constituents: 10% DMSO, 0.1% BSA Note: 50mM Tris, 5mM EDTA
<b>Preservative</b>	None
<b>Storage</b>	Shipped at 4°C. Upon delivery aliquot and store at -20°C. Avoid freeze / thaw cycles. pH:

## ANTIGEN GENE INFORMATION

Gene Name	<a href="#">FAP fibroblast activation protein, alpha [ Homo sapiens (human) ]</a>
Official Symbol	FAP
Synonyms	FAP; fibroblast activation protein, alpha; FAPA; DPPIV; seprase; integral membrane serine protease; 170 kDa melanoma membrane-bound gelatinase;
Entrez Gene ID	<a href="#">2191</a>
mRNA Refseq	<a href="#">NM_001291807.1</a>
Protein Refseq	<a href="#">NP_001278736.1</a>
UniProt ID	Q12884
Chromosome Location	2q23
Function	dipeptidyl-peptidase activity; endopeptidase activity; metalloendopeptidase activity; peptidase activity; protease binding; protein binding; protein dimerization activity; protein homodimerization activity; serine-type endopeptidase activity; serine-type