

Product Information

MemDX™ Antibody Discovery - Human FAP (26-760) Membrane Protein, Partial, hlgG1 Fc-tag

Cat. No.: **MP0066F**

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

This membrane protein is Human FAP (26-760). It has been tested in SDS-PAGE, ELISA. We provide this protein to facilitate your membrane protein antibody discovery and development.

Product Specifications

Host Species

Human

Target Protein

FAP

Protein Length

ECD

Molecular Weight

The protein has a calculated MW of 111.5 kDa. The protein migrates as 110-125 kDa under reducing (R) condition (SDS-PAGE) due to glycosylation.

Sequence

AA Leu 26 - Asp 760 (Accession # Q12884-1).

Product Description

Activity

Yes

Application

SDS-PAGE, ELISA

Expression Systems

HEK293

Tag

Human IgG1 Fc tag at the N-terminus

Protein Format

Soluble

Form

LYOPH

Reconstitution

Please see Certificate of Analysis for specific instructions.

Endotoxin

<1.0 EU/μg by the LAL method

Purity

>90% as determined by SDS-PAGE.

Buffer

Lyophilized from 0.22 μm filtered solution in PBS, pH7.4. Normally trehalose is added as protectant before lyophilization.

Storage

Stored at lyophilized form at -20°C or lower. Avoid repeated freeze-thaw cycles.

The antigen can be stable for 12 months in lyophilized form after storage at -20°C to -80°C, 3 months under sterile conditions after reconstitution after storage at -80°C.

Target

Target Protein

FAP

Full Name

fibroblast activation protein alpha

Introduction

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

Alternative Names

FAPA; SIMP; DPPIV; FAPalpha; prolyl endopeptidase FAP; 174 kDa melanoma membrane-bound gelatinase; dipeptidyl peptidase FAP; gelatine degradation protease FAP; integral membrane serine protease; post-proline cleaving enzyme; seprase; surface-expressed protease

Gene ID

[2191](#)

UniProt ID

[Q12884](#)