

# Product Information

## Recombinant Anti-Human VIM Antibody scFv Fragment

Cat. No.: **MOM-18214-S(P)**

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

### Product Overview

Recombinant Human Antibody scFv Fragment is bind to Human Vimentin, expressed in E. coli

### Antigen Description

Vimentins are class-III intermediate filaments found in various non-epithelial cells, especially mesenchymal cells. Vimentin is attached to the nucleus, endoplasmic reticulum, and mitochondria, either laterally or terminally. Involved with LARP6 in the stabilization of type I collagen mRNAs for CO1A1 and CO1A2.

### Specific Activity

Tested positive against native antigen.

### Target

Vimentin

### Immunogen

synthetic acetylated peptide of Human Vimentin.

### Source

Human

### Species Reactivity

Human

### Type

scFv Fragment from Human IgG1

### Expression Host

E. coli

### Purity

>95.0%, determined by analysis by RP-HPLC & analysis by SDS-PAGE.

### Applications

Suitable for use in ELISA, WB, Neut and most other immunological methods.

### Storage

4°C. For long term storage, aliquot and store at -20°C. Repeated thawing and freezing must be avoided.

## ANTIGEN GENE INFORMATION

### Gene Name

[VIM vimentin \[ Homo sapiens \]](#)

**Official Symbol**

VIM

**Synonyms**

VIM; vimentin; FLJ36605;

**Gene ID**

[7431](#)

**mRNA Refseq**

[NM\\_003380](#)

**Protein Refseq**

[NP\\_003371](#)

**UniProt ID**

P08670

**Chromosome Location**

10p13

**Pathway**

Alpha6-Beta4 Integrin Signaling Pathway, organism-specific biosystem; Apoptosis, organism-specific biosystem; Apoptotic cleavage of cellular proteins, organism-specific biosystem; Apoptotic executionphase, organism-specific biosystem; Aurora B signaling, organism-specific biosystem; Caspase cascade in apoptosis, organism-specific biosystem; Caspase-mediated cleavage of cytoskeletal proteins, organism-specific biosystem;

**Function**

identical protein binding; protein C-terminus binding; protein binding; structural constituent of cytoskeleton;