

# ABflo® 488 Rabbit anti-Human CA125/MUC16 mAb

Catalog No.: A28811

## Basic Information

### Observed MW

### Calculated MW

### Category

Primary antibody

### Applications

FC

### Cross-Reactivity

Human

### CloneNo number

ARC65892

### Conjugate

ABflo® 488. Ex:491nm. Em:516nm.

## Background

Mucin is a large family of molecules that add a protective layer to respiratory epithelial cells to shield them from microorganisms and pollutants in the local environment. Among the known members of this family, some are produced in a cell-type and tissue-specific manner, suggesting that each mucin member has different biological functions. Some members aggregate after secretion to form a gel-like substance covering the epithelial layer. CA125, also known as MUC16, is a mucin protein that may be found in the form of a transmembrane or secreted protein, used for monitoring the progress of treatment for epithelial ovarian cancer. The CA125 molecule is almost certainly a glycoprotein with an o bond. Its size and charge are uneven, and the most likely reason is that its side chains are constantly desulfoglycosylated during its life cycle in body fluids. Under natural conditions, it is a very large complex (possibly up to 400,000 daltons). MUC16 is a member of the mucin family, which are high-molecular-weight, O-glycosylated proteins that play an important role in the formation of mucosal barriers and are found on the top surface of epithelial cells. It contains an amino-terminal extracellular domain, a large tandem repeat sequence, and a transmembrane domain with a short cytoplasmic domain. MUC16 is associated with lung cancer and ovarian cancer. It provides a protective lubricating barrier against particles and pathogens on the mucosal surface.

## Recommended Dilutions

FC 5 µl per 10<sup>6</sup> cells in  
100 µl volume

## Immunogen Information

### Gene ID

94025

### Swiss Prot

Q8WXI7

### Immunogen

Recombinant protein (or fragment). This information is considered to be commercially sensitive.

### Synonyms

CA125

## Contact

☎ | 400-999-6126

✉ | [cn.market@abclonal.com.cn](mailto:cn.market@abclonal.com.cn)

🌐 | [www.abclonal.com.cn](http://www.abclonal.com.cn)

## Product Information

### Source

Rabbit

### Isotype

IgG

### Purification

Affinity purification

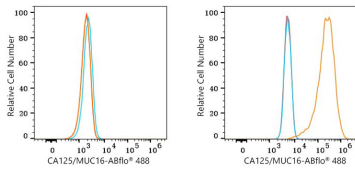
### Storage

Store at 2-8°C. Avoid freeze.

Buffer: PBS with 0.09% Sodium azide, 0.2% BSA, pH7.3.

## Validation Data

---



Flow cytometry:  $1 \times 10^6$  U-937 cells (negative control, left) and OVCAR-3 cells (right) were surface-stained with ABflo® 488 Rabbit anti-Human CA125/MUC16 mAb (A28811, 5  $\mu$ l/Test, orange line) or ABflo® 488 Rabbit IgG isotype control (A22069, 5  $\mu$ l/Test, blue line). Non-fluorescently stained cells were used as blank control (red line).