

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 de-sulfoglycosylated 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 10⁶ 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

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✉ | cn.market@abclonal.com.cn

🌐 | www.abclonal.com.cn

Product Information

Source

Rabbit

Isotype

IgG

Purification

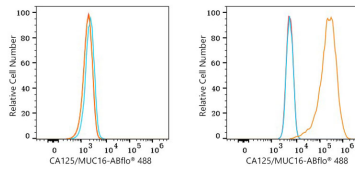
Affinity purification

Storage

Store at 2-8°C. Avoid freeze.

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

Validation Data



Flow cytometry: 1X10⁶ 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 µl/Test, orange line) or ABflo® 488 Rabbit IgG isotype control (A22069, 5 µl/Test, blue line). Non-fluorescently stained cells were used as blank control (red line).