SONY

Product Data Sheet

Alexa Fluor® 488 anti-human PSMA (FOLH1)

Catalog # / Size: 2312525 / 25 tests
2312530 / 100 tests

Clone: LNI-17

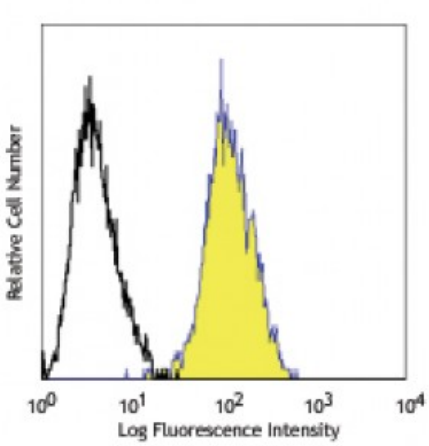
Isotype: Mouse IgG1, κ

Reactivity: Human

Preparation: The antibody was purified by affinity chromatography, and conjugated with Alexa Fluor® 488 under optimal conditions.

Formulation: Phosphate-buffered solution, pH 7.2, containing 0.09% sodium azide and 0.2% (w/v) BSA (origin USA).

Concentration: Lot-specific



Human prostatic adenocarcinoma cell line LNCaP stained with LNI-17 Alexa Fluor® 488

Applications:

Applications: Flow Cytometry

Recommended Usage: Each lot of this antibody is quality control tested by immunofluorescent staining with flow cytometric analysis. For flow cytometric staining, the suggested use of this reagent is ≤ 5 microL per million cells or 5 microL per 100 microL of whole blood. It is recommended that the reagent be titrated for optimal performance for each application.

* Alexa Fluor® 488 has a maximum emission of 519 nm when it is excited at 488 nm.

Application References:

1. Knowles SM, *et al.* 2014. *Clin Cancer Res.* 20:6367. PubMed

Description: PSMA (prostate-specific membrane antigen) is a type II transmembrane zinc metallopeptidase, belonging to the M28 peptidase family. It possesses hydrolyzing enzyme activities and is also known as FOLH1 (folate hydrolase 1), GCP2 (glutamate carboxypeptidase II), and NAALADase I (N-acetylated-α-linked acidic dipeptidase I). PSMA is expressed by normal and malignant prostate epithelial cells, by urothelial adenocarcinoma, and vasculatures of other malignancies. It is also found in the nervous system.

Antigen References:

1. Silver DA, *et al.* 1997. *Clin. Cancer Res.* 3:81.
2. Troyer JK, *et al.* 1995. *Int. J. Cancer.* 62:552.
3. Mannweiler S, *et al.* 2009. *Pathol. Oncol. Res.* 15:167.