

Alexa Fluor™ 488-Labeled Human PSCA Protein, His Tag (Site-specific conjugation)

Catalog # PSA-HA2H3



Synonyms

PSCA, UNQ206, PRO232

Source

Alexa Fluor 488-Labeled Human PSCA Protein, His Tag (PSA-HA2H3) is produced via site-specific conjugation of AF488 to Human PSCA, His Tag (PSA-H52H6) under optimal conditions with a proprietary technology. Human PSCA, His Tag (PSA-H52H6) is expressed from human 293 cells (HEK293). It contains AA Leu 12 - Ser 86 (Accession # [O43653-1](#)).

Molecular Characterization

PSCA(Leu 12 - Ser 86) O43653-1	Poly-his
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This protein carries a polyhistidine tag at the C-terminus.

The protein has a calculated MW of 12.1 kDa.

Conjugate

AF488

Excitation Wavelength: 488 nm

Emission Wavelength: 517 nm

Formulation

Lyophilized from 0.22 µm filtered solution in PBS, 0.5% BSA, pH7.4 with trehalose as protectant.

Contact us for customized product form or formulation.

Reconstitution

Please see Certificate of Analysis for specific instructions.

For best performance, we strongly recommend you to follow the reconstitution protocol provided in the CoA.

Shipping and Storage

This product is shipped at ambient temperature.

For long term storage, the product should be stored at lyophilized state at -20°C or lower.

Please protect from light and avoid repeated freeze-thaw cycles.

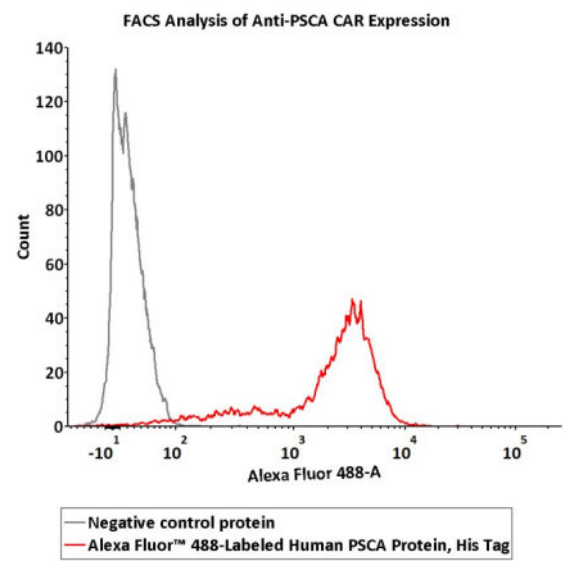
This product is stable after storage at:

- -20°C to -70°C for 12 months in lyophilized state;
- -70°C for 3 months under sterile conditions after reconstitution.

ACRO Quality Management System

- [QMS\(ISO, GMP\)](#).
- [Quality Advantages](#)
- [Quality Control Process](#)

Bioactivity-FACS



5e5 of Anti-PSCA CAR-293 cells were stained with 100 µL of 1:20 dilution (5 µL stock solution in 100 µL FACS buffer) of Alexa Fluor™ 488-Labeled Human PSCA Protein, His Tag (Site-specific conjugation) (Cat. No. PSA-HA2H3) and negative control protein respectively. AF488 signal was used to evaluate the binding activity (QC tested).

Background

The Prostate stem cell antigen (PSCA) is a glycosylphosphatidylinositol (GPI)-anchored protein, plays an important role in tumorigenesis. The prostate stem cell antigen (PSCA) gene, which encodes a prostate-specific antigen (PSA), was identified as a gene involved in cell adhesion and proliferation. PSCA may be involved in the regulation of cell proliferation. Has a cell-proliferation inhibition activity in vitro. May act as a modulator of nicotinic acetylcholine receptors (nAChRs) activity. In vitro inhibits nicotine-induced signaling probably implicating alpha-3:beta-2- or alpha-7-containing nAChRs.



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