

Anti-PSA [scFv B8] Standard Size Ab00435-1.4

This antibody was created using our proprietary Fc Silent™ engineered Fc domain containing key point mutations that abrogate binding to Fc gamma receptors.

This full-length, chimeric mouse antibody was made using the variable domain sequences of the original Chicken scFv format, for improved compatibility with existing reagents, assays and techniques.

Isotype and Format: Mouse IgG1, Fc Silent™, Lambda

Clone Number: scFv B8

Alternative Name(s) of Target: KLK3; Human prostate-specific antigen

UniProt Accession Number of Target Protein: P07288

Published Application(s): SPR, WB

Published Species Reactivity: Human

Immunogen: Purified Seminal PSA.

Specificity: This antibody binds to human PSA with low nanomolar affinity.

Application Notes: This antibody binds to human prostate-specific antigen, which hydrolyzes semenogelin-1 triggering the liquifaction of the seminal coagulum.

Antibody First Published in: Conroy et al. Reconciling the structural attributes of avian antibodies. Journal of Biological Chemistry 2014; 289(22):15384-15393 [PMID:24737329](#)

Note on publication: Describes the use of phage display libraries to generate chicken antibodies against human cardiac troponin and PSA with subsequent crystallisation.

Product Form

Size: 200 µg Purified antibody.

Purification: Protein A affinity purified

Supplied In: PBS with 0.02% Proclin 300.

Storage Recommendation: Store at 4°C for up to 3 months. For longer storage, aliquot and store at -20°C.

Concentration: 1 mg/ml.

Important note – This product is for research use only. It is not intended for use in therapeutic or diagnostic procedures for humans or animals.