

## Anti-PSA [8G8F5] Standard Size Ab00423-10.3

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

This chimeric human antibody was made using the variable domain sequences of the original Mouse IgG2a format, for improved compatibility with existing reagents, assays and techniques.

**Isotype and Format:** Human IgG1, Fc Silent™, Kappa

**Clone Number:** 8G8F5

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

**UniProt Accession Number of Target Protein:** P07288

**Published Application(s):** ELISA

**Published Species Reactivity:** Human

**Immunogen:** Purified Seminal PSA.

**Specificity:** The antibody binds specifically to human PSA.

**Application Notes:** This antibody binds to human prostate-specific antigen, which hydrolyzes semenogelin-1 triggering the liquifaction of the seminal coagulum. The antibody enhances enzymatic activity by stabilising the open and active conformation.

**Antibody First Published in:** Ménez et al. Crystal structure of a ternary complex between human prostate-specific antigen, its substrate acyl intermediate and an activating antibody. Journal of Molecular Biology 2008; 376(4):1021-1033 [PMID:18187150](#)

**Note on publication:** Describes the crystallisation of a new monoclonal antibody in complex with human PSA.

## 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.