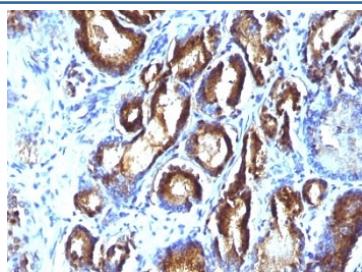


## PSA Antibody Cocktail [clone KLK3/801 + KLK3/1248] (V2630)

| Catalog No.    | Formulation   | Size   |
|----------------|---|--------|
| V2630-100UG    | 0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced) and 0.05% sodium azide                      | 100 ug |
| V2630-20UG     | 0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced) and 0.05% sodium azide                      | 20 ug  |
| V2630SAF-100UG | 1 mg/ml in 1X PBS; BSA free, sodium azide free  | 100 ug |
| V2630IHC-7ML   | Prediluted in 1X PBS with 0.1 mg/ml BSA (US sourced) and 0.05% sodium azide; *For IHC use only* | 7 ml   |

### Bulk quote request

|                    |  |
|--------------------|--|
| Availability       | 1-3 business days  |
| Species Reactivity | Human  |
| Format             | Purified   |
| Host               | Mouse  |
| Clonality          | Monoclonal (mouse origin)                                      |
| Isotype            | Mouse IgG1, kappa  |
| Clone Name         | KLK3/801 + KLK3/1248   |
| Purity             | Protein G affinity chromatography                              |
| UniProt            | P07288   |
| Localization       | Cytoplasmic  |
| Applications       | Immunohistochemistry (FFPE) : 0.5-1ug/ml for 30 min at RT      |
| Limitations        | This PSA antibody cocktail is available for research use only. |



IHC: Formalin-fixed, paraffin-embedded human prostate carcinoma stained with PSA antibody (KLK3/801 + KLK3/1248).

## Description

Recognizes a single protein of 33-34kDa, identified as the prostate specific antigen (PSA). This mAb is highly specific to PSA and stains prostatic secretory and ductal epithelium in both normal and neoplastic tissues. PSA is a chymotrypsin-like serine protease (kallikrein family) exclusively produced by the prostate epithelium, and abundant in seminal fluid. PSA can be detected in the sera of patients with prostatic carcinoma. It is predominantly complexed to a liver-derived serine protease inhibitor, alpha-1-antichymotrypsin (ACT). A higher proportion of serum PSA is complexed to ACT in prostate cancer than in benign prostate hyperplasia.

## Application Notes

Optimal dilution of the PSA antibody cocktail should be determined by the researcher.

1. Staining of formalin-fixed tissues requires boiling tissue sections in 10mM Citrate buffer, pH 6.0, for 10-20 min followed by cooling at RT for 20 minutes
2. The prediluted format is supplied in a dropper bottle and is optimized for use in IHC. After epitope retrieval step (if required), drip mAb solution onto the tissue section and incubate at RT for 30 min.

## Immunogen

Recombinant full-length human prostate serum antigen protein was used as the immunogen for the PSA antibody cocktail.

## Storage

Store the PSA antibody cocktail at 2-8oC (with azide) or aliquot and store at -20oC or colder (without azide).