Product Details

**Applications**

This product has been reported to work in the following applications. This information is derived from testing within our laboratories, peer-reviewed publications or personal communications from the originators. Please refer to references indicated for further information. For general protocol recommendations, please visit [www.abdserotec.com/protocols](http://www.abdserotec.com/protocols).

<table>
<thead>
<tr>
<th>Application</th>
<th>Yes</th>
<th>No</th>
<th>Not Determined</th>
<th>Suggested Dilution</th>
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<tbody>
<tr>
<td>Flow Cytometry</td>
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<tr>
<td>Immunohistology - Frozen</td>
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<td>Immunohistology - Paraffin</td>
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<td>ELISA</td>
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<td>Immunoprecipitation</td>
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<td>Western Blotting</td>
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<td>Immunofluorescence</td>
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Where this antibody has not been tested for use in a particular technique this does not necessarily exclude its use in such procedures. Suggested working dilutions are given as a guide only. It is recommended that the user titrates the antibody for use in their own system using appropriate negative/positive controls.

**Target Species**

Human

**Species Cross Reactivity**

Reacts with: Macaque, Cynomolgus monkey

**N.B.** Antibody reactivity and working conditions may vary between species.

**Product Form**

Purified IgG - liquid

**Preparation**

Purified IgG prepared by affinity chromatography on Protein A from ascites

**Buffer Solution**

Phosphate buffered saline

**Preservative Stabilisers**

0.1% Sodium Azide

0.2% Bovine Serum Albumin

**Immunogen**

Human keratin isolated from epidermal stratum corneum

**External Database Links**

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<thead>
<tr>
<th>UniProt</th>
<th>Related reagents</th>
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<td>P04264</td>
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Synonyms
CYK18, CYK8, KRT16A, KRT2A, KRT2B, KRT2E, KRT2P, KRTA, SCL

Fusion Partners
Spleen cells from immunised BALB/c mice were fused with cells of the NS1/Ag4.1 myeloma cell line.

Specificity
Mouse anti Human Cytokeratin antibody, clone KL1 reacts with cytokeratin polypeptides No 1, 2, 5, 6, 7, 8, 11, 14, 16, 17 and 18. In tissue sections it binds to cells of epithelial origin; non-epithelial cells and skin based layer cells are negative. It has also been shown to stain neoplastic cells of epithelial origin.

Mouse anti Human Cytokeratin antibody, clone KL1 has been reported as being suitable for use in Western blotting. The molecular weight of the recognized antigen is 56kDa.

Immunohistology
NB. This product does not require antigen retrieval using heat treatment prior to staining of paraffin sections. However if using a ventana autostainer, heat mediated pre-treatment with EDTA pH8.0 is recommended.

Histology Positive Control Tissue
Human kidney

References

Storage
Store at +4°C.

DO NOT FREEZE

This product should be stored undiluted. Should this product contain a precipitate we recommend microcentrifugation before use.

Shelf Life
18 months from date of despatch.

Health And Safety Information
Material Safety Datasheet Documentation #10304 available at:
Related Products

**Recommended Secondary Antibodies**

- Goat Anti Mouse IgG (Fc) (STAR120...)  
  - FITC, HRP
- Rabbit Anti Mouse IgG (STAR8...)  
  - DyLight®800
- HuCAL Anti Mouse IgG1 (HCA036...)  
  - HRP
- Goat Anti Mouse IgG (STAR70...)  
  - FITC
- Goat Anti Mouse IgG IgA IgM (STAR87...)  
  - Alk. Phos., HRP
- Goat Anti Mouse IgG (STAR76...)  
  - RPE
- Goat Anti Mouse IgG (STAR77...)  
  - HRP
- Rabbit Anti Mouse IgG (STAR12...)  
  - RPE
- Rabbit Anti Mouse IgG (STAR9...)  
  - FITC
- Rabbit Anti Mouse IgG (STAR13...)  
  - HRP
- Goat Anti Mouse IgG (H/L) (STAR117...)  
  - Alk. Phos., DyLight®488, DyLight®549, DyLight®649, DyLight®800, FITC, HRP

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