

## CK20 (Ks20.8)

Format	Catalog No.	Pack size	Dilution
Concentrated	G2065 A, B, C	0.1, 0.5, 1.0 mL	1:100
Prediluted	G2065 AA, BB	6.0, 3.0 mL	Ready to use

**SPECIES:** Mouse

**IMMUNOGEN:** Recombinant fragment of human KRT20 protein (around aa 196-323) (exact sequence is proprietary)

**CLONE:** Ks20.8

**ISOTYPE:** IgG1 / Kappa

**FORMAT:** 30 min at RT. Staining of formalin-fixed tissues requires heating tissue sections in 10mM Tris with 1mM EDTA, pH 9.0, for 45 min at 95°C followed by cooling at RT for 20 minutes

**SPECIFICITY** - IHC analysis of formalin-fixed, paraffin-embedded human colon. CK20 Mouse Monoclonal Antibody (Ks20.8). HIER: Tris/EDTA, pH9.0, 45min. 2°C: HRP-polymer, 30min. DAB, 5min.

### **BACKGROUND –**

This MAb recognizes an intermediate filament protein of 46kDa, identified as cytokeratin 20 (KRT20). In the gastrointestinal tract, KRT20 is highly expressed in enterocytes and goblet cells. It is a helpful indicator of colorectal and pancreatic cancer. KRT20 is expressed in normal, hyperplastic and neoplastic circumstances. It has been identified in adenocarcinomas of the colon, stomach and biliary tract. In general, breast cancers don't react.

**SPECIES REACTIVITY :** Human

**POSITIVE CONTROL :** HT29 cells. Human colon or prostate carcinoma.

**CELLULAR LOCALIZATION :** Cytoplasm

**TITER/WORKING DILUTION :** Immunohistochemistry (Frozen and Formalin-fixed): 1-2ug/ml

Flow Cytometry: 1-2ug/million cells

Immunofluorescence: 1-3ug/ml

Western Blotting: 2-4ug/ml

**MICROBIOLOGICAL STATE :** This product is not sterile.

### **LIMITATIONS AND USES:**

1. For research use only (RUO).
2. Not to be consumed internally.
3. This product is designed for qualitative immunohistochemistry using formalin-fixed, paraffin-embedded
4. tissue sections from both normal and malignant tissues, which will be examined under a light microscope.
5. If the reagent gets hazy, don't use it.
6. Never use after the expiration date.
7. When working with reagents, exercise caution. Not sterile.



#### PROCEDURE –

1. **Tissue Section Pretreatment (Necessary):** Citrate Plus pretreatment greatly improves the staining of tissue slices that have been paraffin embedded and fixed with formalin.
2. **Incubation Time for Primary Antibody:** We recommend 30 minutes at room temperature for incubation.  
However, the user should choose the best incubation time based on the staining system used and the fixing circumstances.
3. **Visualisation:** To get the highest staining intensity, we advise combining the "DAB Chromogen/Substrate Bulk Pack (High Contrast)" with the "UltraTek HRP Anti-Polyvalent Lab Pack" |.

#### PRECAUTIONS –

1. Contains 0.09% w/v sodium azide as a preservative.
2. Avoid pipetting by mouth.
3. Reagents and specimens should not come into touch with skin or mucous membranes.
4. Prevent reagent contamination by microorganisms, as this could lead to an increase in nonspecific staining.
5. There are no dangerous materials in this product.

#### TECHNICAL SUPPORT

For technical assistance, please contact Genebio Solution's Technical Support at [www.genebiosolution.com](http://www.genebiosolution.com)



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