

# Anti-Epithelia [PR 4D1]

**Catalogue number:** 151153

**Sub-type:** Primary antibody

**Images:** [https://res.cloudinary.com/ximbio/image/upload/c\\_fit/87aff118-21bb-4091-942c-ead803256321.jpg](https://res.cloudinary.com/ximbio/image/upload/c_fit/87aff118-21bb-4091-942c-ead803256321.jpg)

## Contributor

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## Tool details

**\*FOR RESEARCH USE ONLY**

**Name:** Anti-Epithelia [PR 4D1]

**Alternate name:**

**Class:** Monoclonal

**Conjugate:** Unconjugated

**Description:** PR 4D1 may be useful for histological diagnosis of colon disorders. Wide reactivity with GI tract. Reacts with a high MW glycoprotein in human colonic mucus, epithelial cells and cell membranes.

**Purpose:**

**Parental cell:**

**Organism:**

**Tissue:**

**Model:**

**Gender:**

**Isotype:** IgG1

**Reactivity:** Human

**Selectivity:**

**Host:** Mouse

**Immunogen:** Mucosal scrapings and membrane preparations from normal colorectal epithelium and possibly booster inoculations with the colon carcinoma cell line HT29.

**Immunogen UNIPROT ID:**

**Sequence:**

**Growth properties:**

**Production details:**

**Formulation:**

**Recommended controls:**

**Bacterial resistance:**

**Selectable markers:**

**Additional notes:**

## Target details

**Target:** Epithelia (colonic)

**Target alternate names:**

**Target background:** PR 2D3 reacts with a cell membrane component of cells in the pericrypt sheath; with smooth muscle cells and myofibroblasts. This antibody is considered to be the gold standard for the identification of myofibroblasts.

**Molecular weight:** 140 kDa

**Ic50:**

## Applications

**Application:** IHC

**Application notes:**

## Handling

**Format:** Liquid

**Concentration:** 0.9-1.1 mg/ml

**Passage number:**

**Growth medium:**

**Temperature:**

**Atmosphere:**

**Volume:**

**Storage medium:**

**Storage buffer:** PBS with 0.02% azide

**Storage conditions:** -15° C to -25° C

**Shipping conditions:** Shipping at 4° C

## Related tools

**Related tools:**

## References

**References:** Hsia et al. 2016. Proc Natl Acad Sci U S A. :. PMID: 27036009. ; Myofibroblasts are distinguished from activated skin fibroblasts by the expression of AOC3 and other associated markers. ; Kirkland et al. 2001. J Cell Sci. 114(Pt 11):2055-64. PMID: 11493641. ; Collagen IV synthesis is restricted to the enteroendocrine pathway during multilineage differentiation of human colorectal epithelial stem cells. ; Richman et al. 1987. J Clin Pathol. 40(6):593-600. PMID: 3301906. ; Colonic pericrypt sheath cells: characterisation of cell type with new monoclonal antibody.

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