

FUJIFILM

Wako

Code No. 019-28911 (50  $\mu$ L)

## Anti *Faecalibacterium*, Monoclonal Antibody (FD-L4F6-18K2)

### 抗フィーカリバクテリウム, モノクローナル抗体 (FD-L4F6-18K2)

This product is a mouse monoclonal antibody against *Faecalibacterium*. *Faecalibacterium* is a gram-negative anaerobic bacterium that lives in the intestines of animals and is an important component of the intestinal microbiota community. *Faecalibacterium* is known to produce short-chain fatty acids, especially butyric acid. Not only does butyric acid serve as an energy source for intestinal cells, it also has anti-inflammatory properties, and there have been reports of its effects on inflammatory diseases, including ulcerative colitis and Crohn's disease.

An enterotype is a classification of intestinal flora based on the similarity of the composition ratio of certain bacterial species, and it is known that *Faecalibacterium* has a large presence ratio in the intestines of Japanese people and is a determinant of enterotypes.

#### 【Description】

[Reactivity] React with *Faecalibacterium duncaniae* Tat pathway signal sequence domain protein.

[Species cross reactivity] *Faecalibacterium duncaniae* (not tested for other species)

[Clone No.] FD-L4F6-18K2

[Host] Mouse

[Subclass] IgG2b

[Concentration] Indicated on the label.

[Formulation] D-PBS containing sodium azide.

#### 【Application】

ELISA, Western Blotting, Flow Cytometry, Immuno Precipitation

\* Please optimize the most appropriate concentration for your analysis conditions and samples.

#### 【Dilution】

Western Blotting 1 : 40,000

#### 【Storage】

Store at -20°C.

Avoid repeated freeze and thaw.

#### 【Package】

50  $\mu$ L

#### 【Reference】

- 1) Yoshii, K., *et al.* : *Sci. Rep.*, **15**, 16814 (2025)  
Establishment of enterotype-specific antibodies for various diagnostic systems  
<https://doi.org/10.1038/s41598-025-01144-6>

#### FUJIFILM Wako Pure Chemical Corporation

1-2, Doshomachi 3-Chome, Chuo-Ku, Osaka 540-8605, Japan  
Telephone : + 81-6-6203-3741  
Facsimile : + 81-6-6201-5964  
<http://fwk.fujifilm.co.jp>

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