

FUJIFILM

Wako

Code No. 016-28921 (50 μ L)

Anti *Faecalibacterium*, Monoclonal Antibody (FD-L5B6-33K2)

抗フィーカリバクテリウム, モノクローナル抗体 (FD-L5B6-33K2)

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* Beta-ketoacyl-[acyl-carrier-protein] synthase III (FabH).

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

[Clone No.] FD-L5B6-33K2

[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 μ 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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