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Lieferung & Zahlungsart

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Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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Anti-Galectin-2 [FF06] Standard Size Ab03293-30.11

This is an scFv fragment with a His tag.

Isotype and Format: scFv fragment (His), ScFv

Clone Number: FF06

Alternative Name(s) of Target: Gal-2; Beta-galactoside-binding lectin L-14-II; HL14; Lactose-binding lectin 2; S-Lac lectin 2

UniProt Accession Number of Target Protein: P05162

Published Application(s): in vivo, ELISA, IF

Published Species Reactivity: Human

Immunogen: The original antibody was isolated from the antibody library after two rounds of panning against human galectin-2.

Specificity: The antibody binds to human galectin-2. Galectin-2 is a monocyte-expressed carbohydrate-binding lectin, which plays a role in cancer, myocardial infarction, immune response, and gastrointestinal tract diseases.

Application Notes: The scFv fragment was able to bind the recombinant human galectin-2 protein in ELISA experiments. Immunofluorescence analysis on the colon biopsy samples from a healthy donor was performed. The scFv fragment showed significant staining surrounding the crypts of the intestinal tissue. Immunofluorescence analysis on the human colorectal adenocarcinoma cell line LS174T was performed in order to verify the ability of the scFv fragment to recognize natively expressed galectin-2 antigen. The ScFv fragment showed strong cytoplasmic staining. Immunofluorescence analysis on human biopsy samples of Ulcerative Colitis was performed. A stronger intensity signal in the colonic crypts region can be detected in the sections stained with the scFv fragment when compared to the signal observed with an irrelevant antibody. The autoradiography on the intestinal tract of a mouse having colitis has been performed in order to verify the ability of the scFv fragment to recognize the galectin-2 antigen in vivo. A stronger intensity signal could be detected in the colon of the mouse injected with the scFv fragment when compared to the signal in a control mouse injected with an irrelevant antibody (US20190309060).

Antibody First Published in: [PMID:](#)

Note on publication:

Product Form

Size: 50 µg Purified antibody.

Purification:

Purified by Immobilized Metal Affinity Chromatography

Supplied In: PBS with 0.02% Proclin 300.

Storage Recommendation: Store at 4°C for up to 3 months. For longer storage, aliquot and store at -20°C.

Concentration: 1 mg/ml.

Important note - This product is for research use only. It is not intended for use in therapeutic or diagnostic procedures for humans or animals.