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Case Control Study

Detection of fucosylated haptoglobin using the 10-7G antibody as a biomarker for evaluating endoscopic remission in ulcerative colitis

Fucosylated haptoglobin as a endoscopic remission biomarker for ulcerative colitis

Abstract

BACKGROUND

Inflammatory bowel disease (IBD) is a chronic, relapsing inflammation of the digestive tract. Although fecal and serum biomarkers have been extremely important and supportive for monitoring of IBD, their low sensitivity and high variability characteristics limit clinical efficacy. Thus, the establishment of better biomarkers is expected. Fucosylation is one of the most important glycosylation modifications of

Match Overview

1	Crossref 36 words Kaeko Ogura. "Frontal Behavioral Symptoms in Prader-V... i Syndrome", Handbook of Behavior Food and Nutrition, 20	1%
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For example, α1-3/4 fucosylation at Asn 241 of β-**haptoglobin** (β-Hp) glycan was a new **biomarker** for colon cancer [63]. α 2,6-linked tri-sialylated triantennary glycan of **haptoglobin** from the ...

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The coefficient of variation between the **haptoglobin** measurements was low (median=2.3%, range 0–7.9%), even when there were clinically significant differences between the pre-trilostane cortisol concentrations (median=12.3%, range 0–61.2%, 8 pairs of samples greater than 20%)., 2) Cases of HAC that had received a consistent dose of ...

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To overcome this problem, we developed a **fucosylated haptoglobin detection** kit as a sandwich enzyme-linked immune sorbent assay (ELISA) **using** AAL and the Fab portion of anti-**haptoglobin antibody**.

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Methods: Biopsy samples were collected from inflamed and non-inflamed regions of intestine from patients (8 with Crohn's disease, 4 with **ulcerative colitis**, and 4 without IBD [controls]) at Osaka ...

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Novel monoclonal **antibody** L2A5 specifically targeting sialyl-Tn and short glycans terminated by alpha-2-6 sialic acids. Sci Rep. 2018;8:12196 149. Itzkowitz SH, Young E, Dubois D, Harpaz N, Bodian C, Chen A. et al. Sialosyl-Tn antigen is prevalent and precedes dysplasia **in ulcerative colitis**: a retrospective case-control study. Gastroenterology.

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In contrast, both Fuc-Hpt levels and **10-7G** values were dramatically changed by **haptoglobin** phenotype. Thus, we describe a 15-years history of **fucosylated haptoglobin** as a cancer **biomarker** for ...

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