

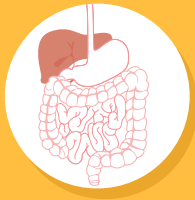


2'-FUCOSYLLACTOSE (2'-FL) AS A BINDING DECOY

Defense against disruptors

2'-FL is a **HUMAN MILK OLIGOSACCHARIDE (HMO)**

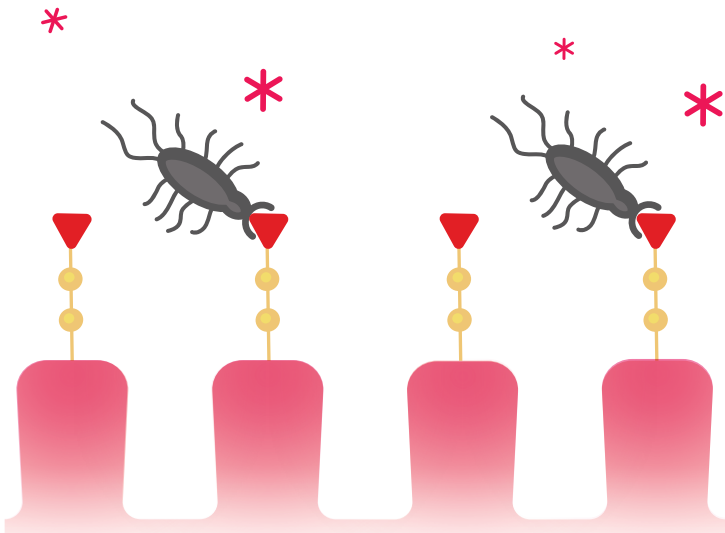
HMOs help cultivate a **healthy microbiome** and resemble microbial binding sites in the lower GI



2'-FL resists metabolism to reach the lower **GI Tract**

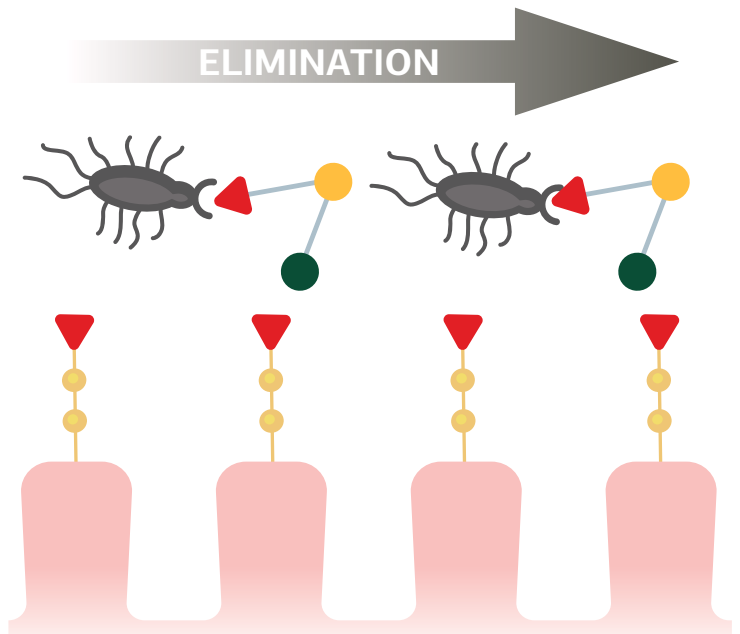


2'-FL selectively feeds "**good**" bacteria



WITHOUT 2'-FL

- External Microbes (Biological Toxin Producers) enter the GI tract
- Microbes adhere to surface sugars to initiate their colonization
- Microbes can impact the GI environment and initiate inflammation



WITH 2'-FL

- External Microbes (Biological Toxin Producers) enter the GI tract
- Microbes adhere to 2'-FL confusing it for intestinal binding sites, and 2'-FL can also bind exotoxins
- Ushers elimination of material through the GI