

A newly discovered protein helps treat colitis

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Accordingly, scientists at Washington DC, USA have announced that they have discovered a new protein, scientifically known as protein-Cd14, that has the ability to fight colitis caused by conditions. Chronic inflammation in the gastrointestinal tract. The specific mechanism is to enhance the barrier function of the intestinal barrier.



Specifically, the researchers identified the **protein-Cd14** in a genetic scheme from a mouse model of colitis-infected mice and the results showed that protein-Cd14 molecules play an important role in Intestinal function system in mice. Protein-Cd14 is found in different cell types including epithelial cells, blood, and even dendritic cells.

At the same time, rats identified as deficient in protein-Cd14 were at greater risk of developing inflammatory bowel disease. The reason is a lack of certain protein-Cd14 to create intestinal barrier screens against colitis.

'The results of this study show us the role and function of microbiomes, genetic proteins with the host's body with diseases related to intestinal inflammation' . Before, the barrier membranes in the intestinal tract mainly depend on specific proteins tightly coordinated between cells. The researchers explained: 'Losing integrity from the barrier membrane in the intestinal tract makes bacteria or toxins easily invade and cause specific infections.'

This study has just been published in Pathology.

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