

RYDERY Peptide

Catalogue number: 160578

Sub-type:

Images:

Contributor

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Images:

Tool details

***FOR RESEARCH USE ONLY**

Name: RYDERY Peptide

Alternate name: Shigella flexneri 3a OMP

Class:

Conjugate:

Description: The genus *Shigella* belongs to Gram-negative opportunistic human pathogens and is responsible for colonic infections. Symptoms of infection include lower abdominal pain, fever and bloody diarrhoea which may cause a life threatening dehydration. Bacterial diarrhoea is in third place world wide in terms of causes of juvenile mortality below the age of five years. Infant and child mortality due to bacterial infections are generally caused by low standards of sanitation pervasive in developing nations. Nevertheless, infections by pathogenic intestinal bacteria, including *Shigella*, also occur in developed nations. Here, a bigger problem consists of strains resistant to antibiotics. For this reason, healthcare authorities both in developing and developed nations are pushing for prevention, including vaccination. Thus far, no one has managed to produce a vaccine against opportunistic bacterial pathogens of the gastrointestinal tract.

Purpose:

Parental cell:

Organism:

Tissue:

Model:

Gender:

Isotype:

Reactivity:

Selectivity:

Host:

Immunogen:

Immunogen UNIPROT ID:

Sequence: RYDERY

Growth properties:

Production details:

Formulation:

Recommended controls:

Bacterial resistance:

Selectable markers:

Additional notes:

Target details

Target:

Target alternate names:

Target background:

Molecular weight:

Ic50:

Applications

Application:

Application notes: Adapted from WO2014073998: This is a protein of the external cell wall of *Shigella flexneri* 3a with a molecular mass of 38 kDa which is immunoreactive with human serum. One potential application, amongst others, is its possible use as a carrier for use in conjugate vaccines. It is an epitope recognized by umbilical blood antibodies specific against enterobacteria, which may be used in the production of vaccines against Enterobacteriaceae, particularly opportunistic gastrointestinal bacterial pathogens, particularly bacteria of the genus *Shigella*.

Handling

Format:
Concentration:
Passage number:
Growth medium:
Temperature:
Atmosphere:
Volume:
Storage medium:
Storage buffer:
Storage conditions:
Shipping conditions: Dry Ice

Related tools

Related tools:

References

References: Barbacena et al. 2019. Genesis. 57(6):e23299. PMID: 30990965.