# PROGEN

# Product datasheet

## anti-Yersinia enterocolitica O:9 mouse monoclonal, 8E9, FITC Conjugate

## Short overview

| | |
|---|---|
| **Cat. No.** | 8E9-FITC |
| **Quantity** | 1 ml |

## Product description

| | |
|---|---|
| **Host** | Mouse |
| **Antibody Type** | Monoclonal |
| **Isotype** | IgG3 |
| **Clone** | 8E9 |
| **Immunogen** | Yersinia enterocolitica serogroup O:9 strain |
| **Formulation** | Contains 10% FBS and 0.09% sodium azide in PBS |
| **Conjugate** | FITC |
| **Purification** | Affinity chromatography |
| **Storage** | 2-8°C |
| **Intended use** | Research use only |
| **Application** | ICC/IF |
| **Reactivity** | Y. enterocolitica O:9 |

## Applications

| | |
|---|---|
| **Immunocytochemistry (ICC)** | 1:20 |

## Background

8E9 specifically reacts with Yersinia enterocolitica serogroup O:9 strains in both agglutination and immunofluorescence assays. The antibody does not react with Y. enterocolitica O:3 and O:8 serogroups.

## Product images
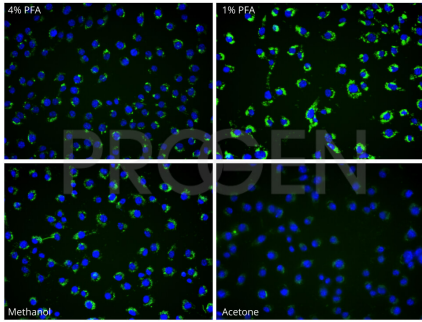
Immunofluorescence analysis of Yersinia enterocolitica infected EMT6 mouse breast cancer cells with anti-Yersinia enterocolitica O:9. Cell were infected with defined amounts of Yersinia enterocolitica (multiplicity of infection MOI 50) for 45 minutes. Fixation was performed using either 4% paraformaldehyde (PFA), 1% PFA, 100% methanol or 100% acetone for 10 min at RT. Cells were blocked and permeabilized with 1% BSA and 0.3% Triton-X100 in PBS for 1 h at RT. The primary antibody anti-Yersinia enterocolitica O:9 mouse monoclonal, 8E9, FITC Conjugate (Cat. No. 8E9-FITC) was diluted in blocking buffer (1:20) and incubated over-night at 4°C. DNA was stained with Hoechst in blue.
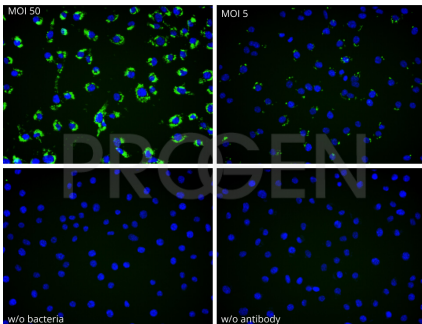


Immunofluorescence analysis of Yersinia enterocolitica infected EMT6 mouse breast cancer cells with anti-Yersinia enterocolitica O:9. Cell were infected with defined amounts of Yersinia enterocolitica (multiplicity of infection MOI 50, MOI 5 or without bacteria) for 45 minutes. Fixation was performed using 1% paraformaldehyde for 10 min at RT. Cells were blocked and permeabilized with 1% BSA and 0.3% Triton-X100 in PBS for 1 h at RT. The primary antibody anti-Yersinia enterocolitica O:9 mouse monoclonal, 8E9, FITC Conjugate (Cat. No. 8E9-FITC) was diluted in blocking buffer (1:20) and incubated over-night at 4°C. DNA was stained with Hoechst in blue. MOI = multiplicity of infection; w/o = without