

Antibody Datasheet

Product Name:	Mouse anti <i>Campylobacter Jejuni</i>
Clone number:	CA30
Isotype:	Mouse IgG ₁
Product code:	MAB12162-100
Batch Number:	
Amount:	0.1mg
Concentration:	1 mg/ml
Buffer:	Phosphate Buffered Saline pH7.4
Preservative:	0.09% Sodium Azide (NaN ₃)
Purification:	The antibody was purified by affinity chromatography on protein A
Specificity:	This antibody is specific for <i>Campylobacter jejuni</i> . The antibody does not cross react with <i>Helicobacter pylori</i> , <i>Escherichia coli</i> , <i>Salmonella enteritidis</i> , <i>Salmonella paratyphi</i> , <i>Salmonella typhi</i> , <i>Salmonella typhimurium</i> , <i>Shigella boydii</i> , <i>Shigella dysenteriae</i> , <i>Shigella flexneri</i> , <i>Shigella sonnei</i> , <i>Yersinia enterocolitica</i> , <i>Listeria monocytogenes</i> or <i>Staphylococcus aureus</i> .
Applications:	ELISA

Antigen background: The bacterial genus *Campylobacter* are non-spore forming, rod shaped or curved, gram-negative bacteria of the family *Campylobacteriaceae*. Over twenty-five species of *Campylobacter* have been identified but approximately 90% of human disease is caused by *Campylobacter jejuni* (*C. jejuni*). Infectious disease caused by pathogenic *Campylobacter* species (*Campylobacter spp*) is referred to as Campylobacteriosis.



Other species of *Campylobacter* causing Campylobacteriosis include *C. coli*, *C. lari* and *C. upsaliensis* but cases are less frequently reported.

Birds, including poultry, are major reservoirs of *C. jejuni*, where it survives in the intestines and crop of healthy birds. Most reported outbreaks of Campylobacteriosis have been associated with the consumption of undercooked poultry and poultry products. However, transmission of *Campylobacter jejuni* can also occur via consumption of undercooked meat, contaminated water, unpasteurised milk, contact with animals or, in rare cases, person-to-person contact.

Campylobacteriosis can affect all age groups but commonly affects young children, males and the elderly. Symptoms of infection generally include fever, abdominal cramps, watery or haemorrhagic diarrhoea and weight loss. Symptoms can be more severe and of longer duration in young children and the elderly. Although the disease is self-limiting, complications may develop in some cases after infection, which include irritable bowel syndrome, Guillain Barre syndrome and other autoimmune neuropathies ([CDC](#)).

References: Centers for Disease Control and prevention: *Campylobacter* (Campylobacteriosis)

Storage: Store at +4°C for up to three months, or at -20°C for longer.
The Antibody is shipped at ambient temperature.
Avoid repeated freeze/thaw cycles.

