

MUC5AC Monoclonal Antibody (LWB01 (same as 2-25LE))

Catalog NumberMA1-90886

Product data sheet

Details		Species Reactivity	
Size	500 µL	Published species	Protozoa, Human, Guinea pig
Host/Isotope	Mouse / IgG1	Tested Applications	
Class	Monoclonal	Immunohistochemistry (Paraffin) (IHC (P))	Dilution *1:400
Type	Antibody	Published Applications	
Clone	LWB01 (same as 2-25LE)	Western Blot (WB)	See 4 publications below
Immunogen	Human Colorectal Carcinoma cell line LS174T.	ELISA (ELISA)	See 1 publications below
Conjugate	Unconjugated	Immunohistochemistry (IHC)	See 2 publications below
Form	Liquid	* Suggested working dilutions are given as a guide only. It is recommended that the user titrate the product for use in their own experiment using appropriate negative and positive controls.	
Concentration	0.2 mg/mL		
Storage Conditions	4° C, do not freeze		

Product specific information

MA1-90886 detects Lewis B from human samples. MA1-90886 has been successfully used in immunohistochemistry (paraffin tissue) applications. Positive control: colon The MA1-90886 immunogen is: Human Colorectal Carcinoma cell line LS174T.

Background/Target Information

The antibody 2-25LE reacts with Lewisb blood group antigen, a carbohydrate determinant carried on both glycolipids and glycoproteins, detected on erythrocytes, certain epithelial cells, and in secretions of certain individuals.

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PubMed References For MUC5AC Monoclonal Antibody (LWB01 (same as 2-25LE))

4 Western Blot References

Species / Dilution	Summary
Human / 1:500	MA1-90886 was used in western blot to investigate the influence of Helicobacter pylori on levels of MUC 1 and Lewis antigens in the gastric juice
	Digestive diseases and sciences (2008; 53: 2641) "The effect of Helicobacter pylori eradication treatment on the MUC 1 and Lewis antigens level in human gastric juice: a preliminary study." Author(s):Radziejewska I,Borzym-Kluczyk M,Kisiel DG,Namiot Z,Wosek J,Gindzieski A PubMed Article URL: http://dx.doi.org/10.1007/s10620-008-0224-z
Human / 0.1 mg/ml	MA1-90886 was used in western blot to investigate the influence of genetic background on norovirus infection
	Journal of medical virology (2009; 81: 728) "Genetic susceptibility to symptomatic norovirus infection in Nicaragua." Author(s):Bucardo F,Kindberg E,Paniagua M,Grahn A,Larson G,Vildevall M,Svensson L PubMed Article URL: http://dx.doi.org/10.1002/jmv.21426
Human / Not Cited	MA1-90886 was used in western blot to study the molecular basis of asymptomatic norovirus infections in Nicaraguan children
	The Pediatric infectious disease journal (2010; 29: 934) "Asymptomatic norovirus infections in Nicaraguan children and its association with viral properties and histo-blood group antigens." Author(s):Bucardo F,Nordgren J,Carlsson B,Kindberg E,Paniagua M,Möllby R,Svensson L PubMed Article URL: http://dx.doi.org/10.1097/INF.0b013e3181ed9f2f
Protozoa / 1.2 µg/mL	MA1-90886 was used in western blot to study the mechanisms underlying the interaction of Plasmodium falciparum with the human placenta
	Biology of reproduction (2013; 88:) "Histopathologies, immunolocalization, and a glycan binding screen provide insights into Plasmodium falciparum interactions with the human placenta." Author(s):Hromatka BS,Ngeleza S,Adibi JJ,Niles RK,Tshefu AK,Fisher SJ PubMed Article URL: http://dx.doi.org/10.1095/biolreprod.112.106195

1 ELISA References

Species / Dilution	Summary
Human / 1:1500	MA1-90886 was used in ELISA to investigate the effect of mucin glycosylation on Helicobacter pylori infection
	Clinical and experimental medicine (2011; 11: 81) "Glycosylation of mucins present in gastric juice: the effect of helicobacter pylori eradication treatment." Author(s):Radziejewska I,Borzym-Kluczyk M,Namiot Z,Stefaska E PubMed Article URL: http://dx.doi.org/10.1007/s10238-010-0113-6

2 Immunohistochemistry References

Species / Dilution	Summary
Guinea pig / 10 µg/mL	MA1-90886 was used in immunohistochemistry to investigate the presence of conjunctival M cells in the guinea pig conjunctival follicle-associated epithelium and its involvement in mucosal immune response
	Experimental eye research (2005; 80: 545) "Conjunctival M cells selectively bind and translocate Maackia amurensis leucoagglutinin." Author(s):Meagher CK,Liu H,Moore CP,Phillips TE PubMed Article URL: http://dx.doi.org/10.1016/j.exer.2004.11.005
Human / Not Cited	MA1-90886 was used in immunohistochemistry to study changes in the expression of the Helicobacter pylori outer membrane proteins babA and babB following experimental infection of rhesus macaques
	Proceedings of the National Academy of Sciences of the United States of America (2004; 101: 2106) "Modification of Helicobacter pylori outer membrane protein expression during experimental infection of rhesus macaques." Author(s):Solnick JV,Hansen LM,Salama NR,Boonjakuakul JK,Syvanen M PubMed Article URL: http://dx.doi.org/10.1073/pnas.0308573100

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