

# Blood Group Antigen H (O) Type 1 Monoclonal Antibody (17-206), Biotin, eBioscience™

Product Details	
Size	100 µg
Species Reactivity	Human
Published Species	Human
Host/Isotype	Mouse / IgG3
Class	Monoclonal
Type	Antibody
Clone	17-206
Conjugate	Biotin
Form	Liquid
Concentration	0.5 mg/mL
Purification	Affinity chromatography
Storage buffer	PBS, pH 7.2
Contains	0.09% sodium azide
Storage conditions	4° C, store in dark, DO NOT FREEZE!
RRID	AB_11218500

Applications	Tested Dilution	Publications
Immunohistochemistry (Paraffin) (IHC (P))	10 µg/mL	-
Immunohistochemistry (Frozen) (IHC (F))	10 µg/mL	-
Immunocytochemistry (ICC/IF)	Assay-Dependent	-
Functional Assay (FN)	-	1 Publication

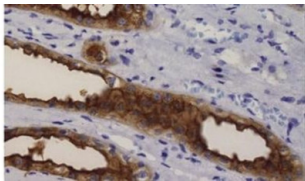
## Product Specific Information

**Description:** The monoclonal antibody 17-206 recognizes the human blood group antigen H (O) type 1, a subtype primarily found in epithelial and secretory cells. The precursor H antigen is modified by addition of saccharides to carbohydrate chains of proteins and lipids on erythrocytes and epithelial cells. The type, attachment, location, and sequence of saccharides determines the blood group antigen subtype and is mediated by multiple glycosyl transferases. Depending on ABO blood type, the H antigen is converted into either the A antigen, B antigen, both the A and B antigen, or left unconverted (O antigen). Evidence that the blood group antigen H is not expressed in tumor cells and that the level correlates with disease progression suggests that the blood group antigen H may be involved in cell proliferation, cell adhesion, and angiogenesis, although its exact function remains to be determined. The 17-206 antibody does not recognize blood group antigen H (O) type 2.

**Applications Reported:** This 17-206 antibody has been reported for use in immunohistochemical staining of frozen tissue sections, immunohistochemical staining of formalin-fixed paraffin embedded tissue sections, and immunocytochemistry.

**Applications Tested:** This 17-206 antibody has been tested by immunohistochemistry on formalin-fixed paraffin embedded human tissue using either high or low pH antigen retrieval at less than or equal to 10 µg/mL. It is recommended that the antibody be carefully titrated for optimal performance in the assay of interest.

**Filtration:** 0.2 µm post-manufacturing filtered.



**Blood Group Antigen H (O) Type 1 Antibody (13-9810-82) in IHC (P)**  
Immunohistochemistry on formalin-fixed paraffin embedded human kidney medulla using 10 µg/mL of Anti-Human Blood Group Antigen H (O) Type 1 Antigen Biotin followed by DAB visualization. Nuclei are counterstained with hematoxylin.

1 Reference

Functional Assay (1)

Scientific reports	
<b>Shotgun Glycomics Identifies Tumor-Associated Glycan Ligands Bound by an Ovarian Carcinoma-Specific Monoclonal Antibody.</b>	
"13-9810 was used in Functional assays to confirm the tumour-associated glycan ligand bound by an ovarian cancer specific monoclonal antibody."	
Authors: Liao B,Tan B,Teo G,Zhang P,Choo A,Rudd PM	
	<div>Year 2017</div> <div>Species Human</div>

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