# Anti-Human Blood Group Antigen H (O) Type 1 Purified

**Catalog Number:** 14-9810
**RUO: For Research Use Only. Not for use in diagnostic procedures.**

## Product Information

**Contents:** Anti-Human Blood Group Antigen H (O) Type 1 Purified
REF **Catalog Number:** 14-9810
**Clone:** 17-206
**Concentration:** 0.5 mg/mL
**Host/Isotype:** Mouse IgG3

**Formulation:** aqueous buffer, 0.09% sodium azide, may contain carrier protein/stabilizer
**Temperature Limitation:** Store at 2-8°C.
LOT **Batch Code:** Refer to vial
**Use By:** Refer to vial
**Contains sodium azide**

## 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 formalin-fixed paraffin embedded tissue sections and ELISA.

## 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 5 ug/mL. It is recommended that the antibody be carefully titrated for optimal performance in the assay of interest.

## References

Ota MS, Kaneko Y, Kondo K, Ogishima S, Tanaka H, Eto K, Kondo T. Combined in silico and in vivo analyses reveal role of Hes1 in taste cell differentiation. PLoS Genet. 2009 5(4):e1000443 (17-206, IHC-P).

Kameyama A, Ishida H, Kiso M, Hasegawa A. Stereoselective synthesis of sialyl-lactotetraosylceramide and sialylneolactotetraosylceramide. Carbohydrate Research. 1990 200 (25) 269–285.

## Related Products

00-4953 IHC /ICC Blocking Buffer - Low Protein
00-4954 20X TBS Wash Buffer for IHC/ICC
00-4955 IHC Antigen Retrieval Solution – Low pH (10X)
00-4956 IHC Antigen Retrieval Solution – High pH (10X)
14-4742 Mouse IgG3 Isotype Control Purified


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