

Anti-Human Blood Group Antigen H (O) Type 1 Antigen Alexa Fluor® 488

Catalog Number: 53-9810

RUO: For Research Use Only. Not for use in diagnostic procedures.

Product Information

Contents: Anti-Human Blood Group Antigen H (O) Type 1 Antigen Alexa Fluor® 488

 **Catalog Number:** 53-9810

Clone: 17-206

Concentration: 0.2 mg/mL

Host/Isotype: Mouse IgG3



 **LOT**



Formulation: aqueous buffer, 0.09% sodium azide, may contain carrier protein/stabilizer

Temperature Limitation: Store at 2-8°C. Do not freeze. Light-sensitive material.

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 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 low or high pH antigen retrieval at less than or equal to 10 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)

00-4958 Fluoromount-G™

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