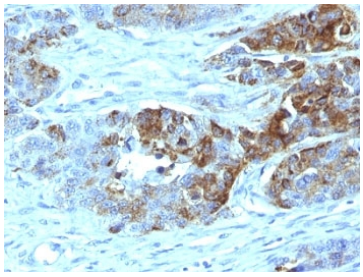
# ABO Antibody / Blood Group Antigen H Type 2 [clone 19-OLE] (V2548)

| Catalog No. | Formulation | Size |
|---|---|---|
| V2548-100UG | 0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced) and 0.05% sodium azide | 100 ug |
| V2548-20UG | 0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced) and 0.05% sodium azide | 20 ug |
| V2548SAF-100UG | 1 mg/ml in 1X PBS; BSA free, sodium azide free | 100 ug |

Citations (8)

**Bulk quote request**

| | |
|---|---|
| **Availability** | 1-3 business days |
| **Species Reactivity** | Human |
| **Format** | Purified |
| **Clonality** | Monoclonal (mouse origin) |
| **Isotype** | Mouse IgM, kappa |
| **Clone Name** | 19-OLE |
| **Purity** | PEG precipitation |
| **UniProt** | P16442 |
| **Localization** | Cell surface |
| **Applications** | Immunofluorescence : 0.5-1ug/ml<br>Immunohistochemistry (FFPE) : 0.5-1ug/ml for 30 min at RT |
| **Limitations** | This ABO antibody is available for research use only. |



IHC: Formalin-fixed, paraffin-embedded human colon carcinoma stained with Blood Group Antigen H Type 2 antibody (19-OLE)

## Description

Recognizes the blood group H type 2 antigens, trisaccharide Fuc(a1-2)Gal(b1-4)GlcNAc(b1) of human origin. This protein

is the basis of the ABO blood group system. The histo-blood group ABO involves three carbohydrate antigens: A, B, and H. A, B, and AB individuals express a glycosyltransferase activity that converts the H antigen to the A antigen (by addition of UDP-GalNAc) or to the B antigen (by addition of UDP-Gal), whereas O individuals lack such activity. It is expressed on endothelial cells, epithelial cells and granulocytes. Increased expression of this antigen has been observed on some tumor tissues such as gastric carcinomas, urothelial carcinomas, and colon carcinomas.

## Application Notes

Optimal dilution of the ABO antibody should be determined by the researcher.

1. Staining of formalin-fixed tissues requires boiling tissue sections in 10mM Citrate buffer, pH 6.0, for 10-20 min followed by cooling at RT for 20 min

## Immunogen

Mucinous colonic adenocarcinoma was used as the immunogen for the ABO antibody. This antibody recognizes the blood group H type 2 antigens, trisaccharide Fuc(a1-2)Gal(b1-4)GlcNAc(b1) of human origin.

## Storage

Store the ABO antibody at 2-8oC (with azide) or aliquot and store at -20oC or colder (without azide).