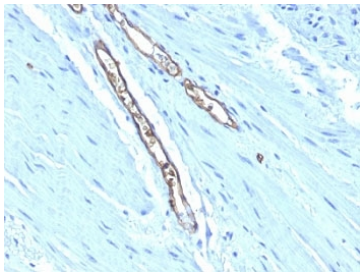
# ABO Antibody / Blood Group Antigen A [clone HE-193] (V2550)

| Catalog No. | Formulation | Size |
|---|---|---|
| V2550-100UG | 0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced) and 0.05% sodium azide | 100 ug |
| V2550-20UG | 0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced) and 0.05% sodium azide | 20 ug |
| V2550SAF-100UG | 1 mg/ml in 1X PBS; BSA free, sodium azide free | 100 ug |

Citations (5)

**Bulk quote request**

| | |
|---|---|
| **Availability** | 1-3 business days |
| **Species Reactivity** | Human |
| **Format** | Purified |
| **Host** | Mouse |
| **Clonality** | Monoclonal (mouse origin) |
| **Isotype** | Mouse IgM, kappa |
| **Clone Name** | HE-193 |
| **Purity** | PEG precipitation |
| **UniProt** | P16442 |
| **Localization** | Cell surface |
| **Applications** | Immunofluorescence : 2-4ug/ml<br>Immunohistology (formalin-fixed) : 1-2ug/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 A antibody (HE-193)

## Description

This antibody recognizes human blood group A (monofucosyl and difucosyl A antigens with chain types 1, 2, 3, 4, 5, 6) and Forssmann antigen. Blood-group antigens are generally defined as molecules formed by sequential addition of saccharides to the carbohydrate side chains of lipids and proteins detected on erythrocytes and certain epithelial cells. The A, B and H antigens are reported to undergo modulation during malignant cellular transformation. Blood group related antigens represent a group of carbohydrate determinants carried on both glycolipids and glycoproteins. They are usually mucin-type, and are detected on erythrocytes, certain epithelial cells, and in secretions of certain individuals. Sixteen genetically and biosynthetically distinct but inter-related specificities belong to this group of antigens, including A, B, H, Lewis A, Lewis B, Lewis X, Lewis Y, and precursor type 1 chain antigens.

## 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 minutes

## Immunogen

A mixture of erythrocytes of blood group A and glycoprotein fraction isolated from the saliva of secretors with blood group A was used as the immunogen for the ABO antibody.

## Storage

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