

## DATASHEET

# 180302

### Human anti – A antigen

**PRODUCT NAME** Anti – A antigen Antibody (CLONE 20G3)

**BACKGROUND INFORMATION** The ABO blood group antigens remain of prime importance in transfusion medicine—they are the most immunogenic of all the blood group antigens. The most common cause of death from a blood transfusion is a clerical error in which an incompatible type of ABO blood is transfused. The ABO blood group antigens also appear to have been important throughout our evolution because the frequencies of different ABO blood types vary among different populations, suggesting that a particular blood type conferred a selection advantage (e.g., resistance against an infectious disease).

**PRODUCT DESCRIPTION** This antibody is suitable for ABO blood group studies in transfusion or transplant. It is highly specific for A antigen on red blood cells.

**FORMAT** 100µg of lyophilized, purified antibody. Reconstitute to 100µl of distilled H<sub>2</sub>O for 1µg/µl. It contains no additives.

**HOST** Human

**CLONALITY** Monoclonal

**ISOTYPE** Human IgG1

**REACTIVITY/SPECIFICITY** This antibody is highly specific for A antigen presented on red blood cells.

**APPLICATIONS** ELISA, Western Blot (WB)

**RECOMMENDED STARTING DILUTIONS** ELISA: 1:1000. WB: 1:500. Optimal dilution has to be determined by the user.

**STORAGE** Lyophilized antibody can be kept at 4°C for up to 3 months and should be kept at -20°C for long-term storage. To avoid freeze-thaw cycles, reconstituted antibody should be aliquoted before freezing for short-term storage (-20°C) or for long-term storage (-80°C). For maximum recovery of product, centrifuge the original vial prior to removing the cap. Further dilutions can be made in assay buffer.

**STABILITY** Minimum 1 year from reception date.

**REFERENCES** 1. Harris J.B, LaRocque C.R., Cholera and ABO Blood Group: Understanding an Ancient Association. *Am. J. Trop. Med. Hyg.* 2016, 95(2).

**LIMITATIONS** This product has to be used for research purposes only.

**IMAGE**