

# Anti-human blood group B antigen [O10]

**Catalogue number:** 160673

**Sub-type:**

**Images:**

## Contributor

**Inventor:** Tomasz Klaus ; Monika Bzowska ; Joanna Bereta

**Institute:** Jagiellonian University

**Images:**

## Tool details

**\*FOR RESEARCH USE ONLY**

**Name:** Anti-human blood group B antigen [O10]

**Alternate name:**

**Class:** Monoclonal

**Conjugate:** Unconjugated

**Description:** From Klaus et al. Sci Rep. 2016 Aug 3;6:30938. Mouse immunoglobulins M (IgMs) that recognize human blood group antigens induce haemagglutination and are used worldwide for diagnostic blood typing. Contrary to the current belief that IgGs are too small to simultaneously bind antigens on two different erythrocytes, we obtained agglutinating mouse IgG3 that recognized antigen B of the human ABO blood group system.

**Purpose:**

**Parental cell:**

**Organism:**

**Tissue:**

**Model:**

**Gender:**

**Isotype:** IgM

**Reactivity:** Human

**Selectivity:**

**Host:** Mouse

**Immunogen:** Human red blood cells

**Immunogen UNIPROT ID:**

**Sequence:**

**Growth properties:**

**Production details:**

**Formulation:**

**Recommended controls:**

**Bacterial resistance:**

**Selectable markers:**

**Additional notes:**

## Target details

**Target:** Human blood group B antigen

**Target alternate names:**

**Target background:** From Klaus et al. Sci Rep. 2016 Aug 3;6:30938. Mouse immunoglobulins M (IgMs) that recognize human blood group antigens induce haemagglutination and are used worldwide for diagnostic blood typing. Contrary to the current belief that IgGs are too small to simultaneously bind antigens on two different erythrocytes, we obtained agglutinating mouse IgG3 that recognized antigen B of the human ABO blood group system.

**Molecular weight:**

**Ic50:**

## Applications

**Application:** Fn ; WB

**Application notes:**

## Handling

**Format:** Liquid

**Concentration:**

**Passage number:**

**Growth medium:**

**Temperature:**

**Atmosphere:**

**Volume:**

**Storage medium:**

**Storage buffer:**

**Storage conditions:**

**Shipping conditions:** Shipping at 4° C

## Related tools

**Related tools:**

# References

References:

CancerTools.org