

Monoclonal Antibodies for Blood Grouping

Concentrates and Ready-to-use Reagents on the Basis of SIFIN Clones

For Further Manufacturing Use (FFMU)

Monoclonal antibodies have many advantages over polyclonal antibodies, including

- High avidity
- No contaminating antibodies
- Identification of weak antigens
- Excellent batch to batch reproducibility

We have more than 40 years' experience as a manufacturer of blood grouping reagents

- 15 years' successful use of SIFIN MAbs in routine testing
- FFMU concentrates with extremely high MAb content

Licences

1990: official licensing of our monoclonal blood grouping reagents as drugs

1993: license extensions by the Paul-Ehrlich-Institut (PEI)

2003: additional examinations by notified body 0483 for Annex II List A IVDD products

Certified quality management system for design, manufacture and final control

ISO 13485

ISO 9001

Quality System and EC Design Examination acc. to Council Directive 98/79/EC – notified body 0483

Production in compliance with FDA requirements



Murine monoclonal antibodies Anti-A, Anti-B, Anti-M and Anti-N

Suitability

MAb	Clone	Properties	Isotype	S	T	M	A
Anti-A	A-11H5	Reacts strongly with red cells of the blood groups A ₁ , A ₂ , A ₁ B and A ₂ B. Agglutinates A ₃ red cells (mixed field agglutination), reaction with A _x red cells usually positive.	IgM	•	•	•	•
Anti-A	A-5E10	Reacts strongly with red cells of the blood groups A ₁ , A ₂ , A ₁ B and A ₂ B. Agglutinates A ₃ red cells (mixed field agglutination), reaction with A _x red cells usually positive.	IgM	•	•	•	•
Anti-B	B-6F9	Reacts strongly with red cells of the blood groups B, A ₁ B and A ₂ B. Does not react with "acquired" B. Reacts with B _{x(european)} cells and some oriental variant B cells.	IgM	•	•	•	•
Anti-B	B-2D7	Reacts strongly with red cells of the blood groups B, A ₁ B and A ₂ B. Does not react with "acquired" B. Reacts with some weak B variants and B _{x(european)} .	IgM	•	•	•	•
Anti-D	BS 225*	Reacts strongly with red cells with normally expressed antigen D. Agglutinates cells with weak D less strongly, occasionally not at all. From the most common categories, only category VI will not be agglutinated.	IgM	•	•		
Anti-M	M-11H2	Specifically agglutinates red cells with M antigen.	IgG ₁	•	•		
Anti-N	N-20H12	Specifically agglutinates red cells with N antigen after correction of pH to 8.6 - 8.9.	IgG _{2b}	•	•		

S = slide test T = tube test M = micro titer plate A = automated testing

* licensed clone

It is our pleasure to do business with you – please contact Ronald Rasche
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