

**International Blood Group  
Reference Laboratory**500 North Bristol Park  
Northway  
Filton  
Bristol  
BS34 7QH**Antigen** Human Blood Group Rh D (ISBT No. 4001) / CD 240D**Clone** BIRMA D10**Product Code** 9436**Immunoglobulin Class** Human IgM, lambda light chain**Protein Development  
and Production Unit****Tel:** +44 (0)117 921 7500**Fax:** +44 (0)117 912 5796**Website:** <http://ibgri.blood.co.uk>**Email:** [enquiries.IBGRL@nhsbt.nhs.uk](mailto:enquiries.IBGRL@nhsbt.nhs.uk)**Antigen Description and Distribution**

The Rh D antigen (Rh<sub>1</sub> or Rh<sub>0</sub>) is clinically the most important of the Rh blood group system. It is expressed on the extracellular loops of a transmembrane polypeptide of around Mr 30000<sup>1</sup>.

**Clone**

The cell line producing BIRMA D10 is a human heterohybridoma derived from the fusion of EBV transformed B cells, from the peripheral blood of a hyperimmunised anti-D plasmapheresis donor, with X63Ag8.653 myeloma cells. Antibody specificity was confirmed against 50 random blood samples. BIRMA D10 reacts as a direct agglutinin with all Rh D positive red cells except those of the rare D<sup>VI</sup> variant type.

**References**

1. Cartron, J-P, (1994) Blood Reviews **8**, 199-212.