10320 Camino Santa Fe, Suite G
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RHD Antibody (Center) Blocking Peptide
Synthetic peptide
Catalog # BP17214c

Specification

RHD Antibody (Center) Blocking Peptide - Product Information

Primary Accession Q02161

RHD Antibody (Center) Blocking Peptide - Additional Information

Gene ID 6007

Other Names
Blood group Rh(D) polypeptide, RHXIII, Rh polypeptide 2, RhPII, Rhesus D antigen, CD240D, RHD

Format
Peptides are lyophilized in a solid powder format. Peptides can be reconstituted in solution using the appropriate buffer as needed.

Storage
Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C.

Precautions
This product is for research use only. Not for use in diagnostic or therapeutic procedures.

RHD Antibody (Center) Blocking Peptide - Protein Information

Name RHD

Function
May be part of an oligomeric complex which is likely to have a transport or channel function in the erythrocyte membrane.

Cellular Location
Cell membrane; Multi-pass membrane protein

Tissue Location
Restricted to tissues or cell lines expressing erythroid characters

RHD Antibody (Center) Blocking Peptide - Protocols

Provided below are standard protocols that you may find useful for product applications.

- Blocking Peptides

RHD Antibody (Center) Blocking Peptide - Images

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RHD Antibody (Center) Blocking Peptide - Background

The Rh blood group system is the second most clinicallysignificant of the blood groups, second only to ABO. It is also themost polymorphic of the blood groups, with variations due todeletions, gene conversions, and missense mutations. The Rh bloodgroup includes this gene, which encodes the RhD protein, and asecond gene that encodes both the RhC and RhE antigens on a singlepolypeptide. The two genes, and a third unrelated gene, are foundin a cluster on chromosome 1. The classification of Rh-positive andRh-negative individuals is determined by the presence or absence ofthe highly immunogenic RhD protein on the surface of erythrocytes.Multiple transcript variants encoding different isoforms have beenfound for this gene.

RHD Antibody (Center) Blocking Peptide - References

Flegr, J., et al. Folia Parasitol. 57(2):143-150(2010)Liu, H.C., et al. Biochim. Biophys. Acta 1800(6):565-573(2010)Schmid, P., et al. Transfusion 50(1):267-269(2010)Wang, X.D., et al. Eur. J. Clin. Invest. 39(7):607-617(2009)Wagner, F.F., et al. Blood 99(6):2272-2273(2002)