

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

RHD Antibody (Center) Blocking Peptide - Background

The Rh blood group system is the second most clinically significant of the blood groups, second only to ABO. It is also the most polymorphic of the blood groups, with variations due to deletions, gene conversions, and missense mutations. The Rh blood group includes this gene, which encodes the RhD protein, and a second gene that encodes both the RhC and RhE antigens on a single polypeptide. The two genes, and a third unrelated gene, are found in a cluster on chromosome 1. The classification of Rh-positive and Rh-negative individuals is determined by the presence or absence of the highly immunogenic RhD protein on the surface of erythrocytes. Multiple transcript variants encoding different isoforms have been found 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)