

**KEL Antibody (Center) Blocking Peptide**  
**Synthetic peptide**  
**Catalog # BP14875c****Specification**

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**KEL Antibody (Center) Blocking Peptide - Product Information**

Primary Accession [P23276](#)

**KEL Antibody (Center) Blocking Peptide - Additional Information**

**Gene ID** 3792

**Other Names**

Kell blood group glycoprotein, 3424-, CD238, KEL

**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.

**KEL Antibody (Center) Blocking Peptide - Protein Information**

**Name** KEL

**Function**

Zinc endopeptidase with endothelin-3-converting enzyme activity. Cleaves EDN1, EDN2 and EDN3, with a marked preference for EDN3.

**Cellular Location**

Cell membrane; Single-pass type II membrane protein. Note=Spans the erythrocyte membrane, and is attached to the underlying cytoskeleton

**Tissue Location**

Expressed at high levels in erythrocytes and testis (in Sertoli cells), and, at lower levels, in skeletal muscle, tonsils (in follicular dendritic cells), lymph node, spleen and appendix (at protein level). Also expressed in many adult and fetal nonerythroid tissues, including brain, spleen, lymph nodes and bone marrow

**KEL Antibody (Center) Blocking Peptide - Protocols**

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

- [Blocking Peptides](#)

#### **KEL Antibody (Center) Blocking Peptide - Images**

#### **KEL Antibody (Center) Blocking Peptide - Background**

This gene encodes a type II transmembrane glycoprotein that is the highly polymorphic Kell blood group antigen. The Kell glycoprotein links via a single disulfide bond to the XK membrane protein that carries the Kx antigen. The encoded protein contains sequence and structural similarity to members of the neprilysin (M13) family of zinc endopeptidases.

#### **KEL Antibody (Center) Blocking Peptide - References**

Di Cristofaro, J., et al. J Mol Diagn 12(4):453-460(2010) Boturao-Neto, E., et al. Transfusion 50(3):735-737(2010) Yang, Y., et al. Transfus Med 19(5):235-244(2009) Kormoczi, G.F., et al. Transfusion 49(4):733-739(2009) Lee, S., et al. Blood 102(8):3028-3034(2003)