

**MIXL1 Blocking Peptide (C-term)**  
**Synthetic peptide**  
**Catalog # BP21011c****Specification**

---

**MIXL1 Blocking Peptide (C-term) - Product Information**Primary Accession [Q9H2W2](#)**MIXL1 Blocking Peptide (C-term) - Additional Information****Gene ID** 83881**Other Names**

Homeobox protein MIXL1, Homeodomain protein MIX, hMix, MIX1 homeobox-like protein 1, Mix1 homeobox-like protein, MIXL1, MIXL

**Target/Specificity**

The synthetic peptide sequence is selected from aa 183-198 of HUMAN MIXL1

**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.

**MIXL1 Blocking Peptide (C-term) - Protein Information****Name** MIXL1**Synonyms** MIXL**Function**

Transcription factor that play a central role in proper axial mesendoderm morphogenesis and endoderm formation. Required for efficient differentiation of cells from the primitive streak stage to blood, by acting early in the recruitment and/or expansion of mesodermal progenitors to the hemangioblastic and hematopoietic lineages. Also involved in the morphogenesis of the heart and the gut during embryogenesis. Acts as a negative regulator of brachyury expression (By similarity).

**Cellular Location**

Nucleus {ECO:0000255|PROSITE-ProRule:PRU00108, ECO:0000269|PubMed:12070013, ECO:0000269|PubMed:17303500}

**Tissue Location**

Restricted to progenitors and secondary lymph tissues. In normal hematopoiesis, it is restricted to immature B- and T-lymphoid cells. Present in differentiating embryonic stem cells (at protein level).

### **MIXL1 Blocking Peptide (C-term) - Protocols**

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

- [Blocking Peptides](#)

### **MIXL1 Blocking Peptide (C-term) - Images**

### **MIXL1 Blocking Peptide (C-term) - Background**

Transcription factor that play a central role in proper axial mesendoderm morphogenesis and endoderm formation. Required for efficient differentiation of cells from the primitive streak stage to blood, by acting early in the recruitment and/or expansion of mesodermal progenitors to the hemangioblastic and hematopoietic lineages. Also involved in the morphogenesis of the heart and the gut during embryogenesis. Acts as a negative regulator of brachyury [removed]By similarity).

### **MIXL1 Blocking Peptide (C-term) - References**

Guo W.,et al.Blood 100:89-95(2002).  
Robb L.,et al.Dev. Dyn. 219:497-504(2000).  
Gregory S.G.,et al.Nature 441:315-321(2006).  
Mural R.J.,et al.Submitted (JUL-2005) to the EMBL/GenBank/DDBJ databases.  
Mossman A.K.,et al.Stem Cells Dev. 14:656-663(2005).