

**DEFB1 Antibody (N-term) Blocking peptide**  
**Synthetic peptide**  
**Catalog # BP10958a****Specification**

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**DEFB1 Antibody (N-term) Blocking peptide - Product Information**Primary Accession [P60022](#)**DEFB1 Antibody (N-term) Blocking peptide - Additional Information****Gene ID** 1672**Other Names**

Beta-defensin 1, BD-1, hBD-1, Defensin, beta 1, DEFB1, BD1, HBD1

**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.

**DEFB1 Antibody (N-term) Blocking peptide - Protein Information****Name** DEFB1**Synonyms** BD1, HBD1**Function**Has bactericidal activity. May act as a ligand for C-C chemokine receptor CCR6. Positively regulates the sperm motility and bactericidal activity in a CCR6-dependent manner. Binds to CCR6 and triggers Ca<sup>2+</sup> mobilization in the sperm which is important for its motility (PubMed:<a href="http://www.uniprot.org/citations/25122636" target="\_blank">25122636</a>).**Cellular Location**

Secreted. Membrane. Note=Associates with tumor cell membrane-derived microvesicles (PubMed:23938203)

**Tissue Location**

Blood plasma. Sperm. Highly expressed in the lower head and midpiece of sperm. Significantly reduced levels found in the sperms of asthenozoospermia and leukocytospermia patients (at protein level).

**DEFB1 Antibody (N-term) Blocking peptide - Protocols**

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

- [Blocking Peptides](#)

**DEFB1 Antibody (N-term) Blocking peptide - Images****DEFB1 Antibody (N-term) Blocking peptide - Background**

Defensins form a family of microbicidal and cytotoxic peptides made by neutrophils. Members of the defensin family are highly similar in protein sequence. This gene encodes defensin, beta 1, an antimicrobial peptide implicated in the resistance of epithelial surfaces to microbial colonization. This gene maps in close proximity to defensin family member, defensin, alpha 1 and has been implicated in the pathogenesis of cystic fibrosis.

**DEFB1 Antibody (N-term) Blocking peptide - References**

Romero, R., et al. Am. J. Obstet. Gynecol. 203 (4), 361 (2010) : Garreis, F., et al. Histochem. Cell Biol. 134(1):59-73(2010) Segat, L., et al. Int. J. Dermatol. 49(6):653-657(2010) Tiszlavicz, Z., et al. Pancreatology 10(4):483-490(2010) Yin, L., et al. BMC Immunol. 11, 37 (2010) :