



# SZABO SCANDIC

Part of Europa Biosite

## Produktinformation



Forschungsprodukte & Biochemikalien



Zellkultur & Verbrauchsmaterial



Diagnostik & molekulare Diagnostik



Laborgeräte & Service

Weitere Information auf den folgenden Seiten!  
See the following pages for more information!



### Lieferung & Zahlungsart

siehe unsere [Liefer- und Versandbedingungen](#)

### Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

### SZABO-SCANDIC HandelsgmbH

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## Anti-Hepcidin-25 [4C11] Standard Size Ab03567-23.0

This chimeric rabbit antibody was made using the variable domain sequences of the original Mouse IgG1 format, for improved compatibility with existing reagents, assays and techniques.

**Isotype and Format:** Rabbit IgG, Kappa

**Clone Number:** 4C11

**Alternative Name(s) of Target:** HAMP; hHepc; HEPC; LEAP1; LEAP-1; Hepcidin; Liver-expressed antimicrobial peptide 1; hepcidin-22

**UniProt Accession Number of Target Protein:** P81172

**Published Application(s):** ELISA

**Published Species Reactivity:** Rat, Human, Mouse

**Immunogen:** The original antibody was generated by immunizing mice with immunized with a N-terminal hepcidin peptide 'DTHFPIC' conjugated with a five amino acid peptide linker (i.e., GP GPG) to an OVA peptide (amino acids 323-336) sequence, i.e., full-length immunogen DTHFPICGP GPGISQAVHAAHAEINE.

**Specificity:** This antibody binds human hepcidin-25 in the N-terminus region. This antibody also cross reacts with mouse and rat hepcidin-2, to a much lesser degree, human hepcidin-22 but not human hepcidin-20. Hepcidin is a an iron-regulating peptide hormone made in the liver. Hepcidin is a cationic, cysteine-rich and tightly folded peptide stabilized by 4 disulfide bonds that plays a major role in innate immunity and iron homeostasis. It controls the delivery of iron to blood plasma from intestinal cells absorbing iron, from erythrocyte-recycling macrophages, and from iron-storing hepatocytes. Hepcidin acts by binding to and inactivating the sole cellular iron exporter, ferroprotein, which delivers iron to plasma from all iron-transporting cells.

**Application Notes:** This antibody can be used for the detection of human, rat or mouse hepcidin-25 using ELISA. This antibody can also detect human hepcidin-22 with a binding affinity of  $K_d = 209\text{nM}$  (US8609817).

**Antibody First Published in:** [PMID:](#)

**Note on publication:**

### Product Form

**Size:** 100 µg Purified antibody.

**Purification:** Protein A affinity purified

**Supplied In:** PBS with 0.02% Proclin 300.

**Storage Recommendation:** Store at 4°C for up to 3 months. For longer storage, aliquot and store at -

20°C.

**Concentration:** 1 mg/ml.

Important note - This product is for research use only. It is not intended for use in therapeutic or diagnostic procedures for humans or animals.