



# 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

Quellenstraße 110, A-1100 Wien

T. +43(0)1 489 3961-0

F. +43(0)1 489 3961-7

[mail@szabo-scandic.com](mailto:mail@szabo-scandic.com)

[www.szabo-scandic.com](http://www.szabo-scandic.com)

[linkedin.com/company/szaboscandic](https://www.linkedin.com/company/szaboscandic) 

## Anti-Ferritin [AMB8LK] Standard Size Ab03944-10.3

This antibody was created using our proprietary Fc Silent™ engineered Fc domain containing key point mutations that abrogate binding to Fc gamma receptors.

This is a reformatted human IgG1 Fc Silent Fc Silent™ antibody, based on the original human IgG1 format, created for improved compatibility with existing reagents, assays and techniques.

**Isotype and Format:** Human IgG1, Fc Silent™, Kappa

**Clone Number:** AMB8LK

**Alternative Name(s) of Target:** FTMT; FTL; FTH1; Ferritin mitochondrial; B8

**UniProt Accession Number of Target Protein:** Q8N4E7

**Published Application(s):** immunotherapy, IP, tumor imaging

**Published Species Reactivity:** Human

**Immunogen:** The original antibody was generated by immunizing female Balb/c mice with ferritin extracted from human spleen cells.

**Specificity:** This antibody binds human ferritin. This protein catalyzes the oxidation of ferrous iron(II) to ferric iron(III) and stores iron in a soluble, non-toxic, readily available form. Ferritin is important for iron homeostasis.

**Application Notes:** This antibody was capable of immunoprecipitating ferritin (PMID: 6817879). The original antibody binds human ferritin with a binding affinity of  $K_d = 5.1 \text{ nM}$  (EP2193147). The thiolated version of this antibody was conjugated to maleimide-activated polylactide nanoparticles (NPs) to generate immunonanoparticles, which may carry drugs to desired overexpressing antigen cells potentially leading to improved drug therapy and reduced systemic adverse effects (PMID: 19835957). Preclinical studies showed that the immunoconjugate with 90Y has 98% stability over 7 days. A very good pancreatic adenocarcinoma tumor targeting was observed especially with the Bz-DTPA-AMB8LK (PMID: 17383579)

**Antibody First Published in:** Kadouche et al. Analysis of various isoferritins with monoclonal antibodies. C R Seances Acad Sci III. 1982 Oct 18;295(6):443-8. [PMID:6817879](#)

**Note on publication:** Describes the generation and characterization of 4 antibodies against isoferritins.

## 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.