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Produktinformation



Forschungsprodukte & Biochemikalien



Zellkultur & Verbrauchsmaterial



Diagnostik & molekulare Diagnostik



Laborgeräte & Service

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See the following pages for more information!



Lieferung & Zahlungsart

siehe unsere [Liefer- und Versandbedingungen](#)

Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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Anti-Ferritin [AMB8LK] Bulk Size Ab03944-10.3-BT

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: 1 mg Purified antibody in bulk size.

Purification:

Protein A affinity purified

Supplied In: PBS only.

Storage Recommendation: Store at 4°C for up to 3 months. Note, this antibody is provided without added preservatives, it is therefore recommended this antibody be handled under sterile conditions. 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.