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Produktinformation



Forschungsprodukte & Biochemikalien



Zellkultur & Verbrauchsmaterial



Diagnostik & molekulare Diagnostik



Laborgeräte & Service

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Lieferung & Zahlungsart

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Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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Anti-CD44v6 [BIWA4] Standard Size Ab03793-10.3

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: BIWA4

Alternative Name(s) of Target: bivatumumab; CD44 antigen; CDw44; Epican; Extracellular matrix receptor III; ECMR-III; GP90 lymphocyte homing/adhesion receptor; HUTCH-I; Heparan sulfate proteoglycan; Hermes antigen; Hyaluronate receptor; Phagocytic glycoprotein 1; PGP-1; Phagocytic glycoprotein I; PGP-I

UniProt Accession Number of Target Protein: P16070

Published Application(s): in vivo, SPR, therapeutic, ELISA

Published Species Reactivity: Human

Immunogen: The antibody is the humanized version of the murine BIWA-1.

Specificity: The antibody is specific for CD44v6. The antibody recognises an epitope encoded by variant exon v6 of CD44. CD44v6 is a tumor associated antigen abundantly expressed in head and neck squamous cell carcinomas (HNSCC) and in normal squamous epithelium.

Application Notes: The binding affinity of the antibody to CD44v6 was measured by surface plasmon resonance. The antibody showed a specificity of tumor localization when administrated together with another anti-CD44v6 antibody in mice in in vivo experiments (Verel et al. 2002; PMID: 11992408). The specificity of the humanized version of the antibody was confirmed by ELISA analysis (Kd= 3.4 nM). The antibody had good therapeutic efficacy, biodistribution and tumor uptake in in vivo experiments in mice. Mice treated with 186Re-BIWA 4 showed a decreased in the tumor volume (US6972324B2). The radioactively labelled humanized version of the antibody was employed in a clinical trial in patients with advanced squamous cell carcinoma of the head and neck showing promising antitumor effects (Börjesson et al., 2003; PMID: 14506195).

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.