

Anti-CD6 [OX-126] Bulk Size Ab00539-10.3-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 chimeric human 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: Human IgG1, Fc Silent™, Kappa

Clone Number: OX-126

Alternative Name(s) of Target: TP120; OX126; MRC OX-126; MRC OX 126

UniProt Accession Number of Target Protein: P30203

Published Application(s): FC

Published Species Reactivity: Human

Immunogen: This antibody was raised by immunizing BALB/c mice with a fusion protein consisting of human CD6 domain 3 and rat CD4 domains 3 and 4 (CD6d3CD4d3 + 4) (corrected, see: (Hassan et al., 2019; pmid: 30890626)).

Specificity: This antibody is specific for the domain 2 of human CD6. Binding depends on a SNP (R, amino acid 225).

Application Notes: This antibody is noncompetitive with OX125 and does not block CD6/CD166 interactions (Santos et al., 2019; pmid: 31162836).

Antibody First Published in: Hassan et al. CD6 Regulates T-Cell Responses through Activation-Dependent Recruitment of the Positive Regulator SLP-76 MOLECULAR AND CELLULAR BIOLOGY, Sept. 2006, p. 6727-6738 [PMID:16914752](#)

Note on publication: Describes the original use of this antibody to engage human CD6, blocking the CD6/CD166 interaction.

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.