

Anti-CD55 [LU30] Standard Size Ab00476-10.6

This is a Fab fragment with a his-tag.

This reformatted human antibody was made using the variable domain sequences of the original Human format, for improved compatibility with existing reagents, assays and techniques.

Isotype and Format: Human Fab fragment, His-Tagged, Lambda

Clone Number: LU30

Alternative Name(s) of Target: DAF; Complement decay-accelerating factor

UniProt Accession Number of Target Protein: P08174

Published Application(s): WB, ELISA, IHC

Published Species Reactivity: Human

Immunogen: Human CD55.

Specificity: The antibody binds to CD55 with a Kd of 13 nM.

Application Notes: The antibody binds specifically to CD55, a glycosphosphatidylinositol-anchored protein which acts together with CD46 and CD59 to protect cells from complement-mediated cell lysis. The antigen recognises C4b, C3 and C3b complement components, and, by blocking their catalytic activity, inhibits the formation of the membrane attack complex. CD55 is overexpressed in many tumour cell lines, thereby inhibiting complement-mediated cell lysis and increases tumour resistance to immune attacks.

Antibody First Published in: Ridgway,J.B., Ng,E., Kern,J.A., Lee,J., Brush,J., Goddard,A. and Carter,P. Identification of a human anti-CD55 single-chain Fv by subtractive panning of a phage library using tumor and nontumor cell lines. Cancer Res. 59 (11), 2718-2723 (1999) [PMID:10363997](#)

Note on publication: Describes the use of a human single-chain Fv phage library to search tumor-associated antigens and the production of monoclonal antibodies against the antigens.

Product Form

Size: 200 µg Purified antibody.

Purification: Purified by Immobilized Metal Affinity Chromatography

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.