

Anti-Lewis A [PR 5C5] Standard Size Ab00860-10.3

This antibody was created using our proprietary Fc Silent™ engineered Fc domain containing key point mutations that abrogate binding to Fc gamma receptors. Developed in partnership with Ximbio (www.ximbio.com).

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: PR 5C5

Alternative Name(s) of Target: LE; FUT3; FUT2; ABO; PR.5C5; pr.5c5

UniProt Accession Number of Target Protein:

Published Application(s): ELISA, IF, IHC

Published Species Reactivity: Human

Immunogen: This antibody was raised by immunising BALB/c mice with mucosal scrapings and cell membrane preparations from normal human large intestine.

Specificity: This antibody recognises human Lewis A antigen, and cross-reacts weakly with Galα1-4Gal and rhamnose.

Application Notes: This antibody recognises human Lewis A antigen, and has been employed in the immunohistochemical diagnosis of colon disorders, including bowel, small intestine, stomach and colorectal cancers. It has been used in indirect immunoperoxidase staining of formalin-fixed, paraffin-embedded samples of normal colorectal epithelial cells and colon carcinomas (Richman & Bodmer, 1987). It has also been used in indirect immunofluorescence examination of frozen sections of colorectal tissue (Richman & Bodmer, 1987). Its specificity has been confirmed in ELISA analysis (Manimala et al, 2007).

Antibody First Published in: Richman & Bodmer Monoclonal antibodies to human colorectal epithelium: markers for differentiation and tumour characterization. Int J Cancer. 1987 Mar 15;39(3):317-28.

[PMID:2434440](#)

Note on publication: Describes the original generation of this antibody, and its use in immunohistochemistry experiments

Product Form

Size:

200 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.