

Anti-CD151 [11G5a] Standard Size Ab00850-13.12

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 IgG4-S228P, Kappa

Clone Number: 11G5a

Alternative Name(s) of Target: Tetraspanin-24; GP27; MER2; Platelet-endothelial tetraspan antigen 3; PETA-3; RAPH; SFA1; TSPAN24; Cluster of Differentiation 151

UniProt Accession Number of Target Protein: P48509

Published Application(s): IP, WB, ELISA, FC, IF, IHC

Published Species Reactivity: Human

Immunogen: This antibody was raised by immunizing mice.

Specificity: This antibody binds to the CD151-integrin $\alpha 3 \beta 1$ binding site of the CD151 extracellular domain.

Application Notes: The antibody has been used in flow cytometry experiments and to assess the interaction of CD151 with integrins (Yauch 1998). CD151 can also regulate cell migration independent of integrins in cancer for tumour cell migration, and mAb 11G5a has been used for histologic detection of CD151 free in prostate cancer, which correlates with poor patient outcome (TD Palmer 2014).

Antibody First Published in: Yauch et al. Highly Stoichiometric, Stable, and Specific Association of Integrin $\alpha 3 \beta 1$ with CD151 Provides a Major Link to Phosphatidylinositol 4-Kinase, and May Regulate Cell Migration Mol Biol Cell. 1998 Oct; 9(10): 2751-2765 [PMID:9763442](#)

Note on publication: Describes the Specific Association of Integrin $\alpha 3 \beta 1$ with CD151 and its link to cell migration

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.