

Product datasheet

Anti-CD151 antibody [50-6] ab269360

[1 References](#) [1 Image](#)

Overview

Product name	Anti-CD151 antibody [50-6]
Description	Mouse monoclonal [50-6] to CD151
Host species	Mouse
Tested applications	Suitable for: Flow Cyt
Species reactivity	Reacts with: Human
Immunogen	Tissue, cells or virus corresponding to CD151. Human epidermoid carcinoma cell line Hep-3 Database link: P48509
Positive control	Flow Cyt: Human peripheral blood.
General notes	<p>The Life Science industry has been in the grips of a reproducibility crisis for a number of years. Abcam is leading the way in addressing this with our range of recombinant monoclonal antibodies and knockout edited cell lines for gold-standard validation. Please check that this product meets your needs before purchasing.</p> <p>If you have any questions, special requirements or concerns, please send us an inquiry and/or contact our Support team ahead of purchase. Recommended alternatives for this product can be found below, along with publications, customer reviews and Q&As</p>

Properties

Form	Liquid
Storage instructions	Shipped at 4°C. Store at +4°C short term (1-2 weeks). Upon delivery aliquot. Store at -20°C. Avoid freeze / thaw cycle.
Storage buffer	pH: 7.4 Preservative: 0.0975% Sodium azide Constituent: PBS
Purity	Protein A purified
Clonality	Monoclonal
Clone number	50-6
Isotype	IgG1
Light chain type	kappa

Applications

The Abpromise guarantee

Our **Abpromise guarantee** covers the use of ab269360 in the following tested applications.

The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

Application	Abreviews	Notes
Flow Cyt		Use a concentration of 2 - 4 µg/ml.

Target

Function

Essential for the proper assembly of the glomerular and tubular basement membranes in kidney.

Tissue specificity

Expressed in a variety of tissues including vascular endothelium and epidermis. Expressed on erythroid cells, with a higher level of expression in erythroid precursors than on mature erythrocytes.

Involvement in disease

Defects in CD151 are the cause of nephropathy with pretibial epidermolysis bullosa and deafness (NPEBD) [MIM:609057]. NPEBD is characterized by the association of hereditary nephritis, epidermolysis bullosa, deafness, and beta-thalassemia minor.

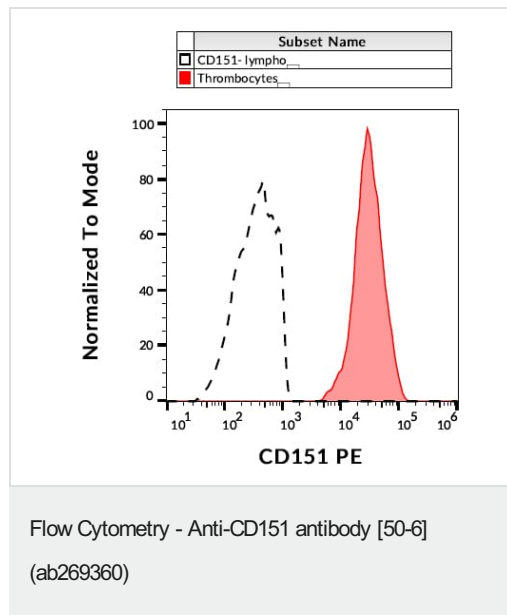
Sequence similarities

Belongs to the tetraspanin (TM4SF) family.

Cellular localization

Membrane.

Images



Flow cytometry analysis (surface staining) of human peripheral blood labeling CD151 with ab269360.

Please note: All products are "FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES"

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