

CD96 (TACTILE) Monoclonal Antibody (6A6), PE, eBioscience™

Product Details	
Size	25 µg
Species Reactivity	Mouse
Published Species	Mouse
Host/Isotype	Rat / IgG2a, lambda
Recommended Isotype Control	Rat IgG2a kappa Isotype Control (eBR2a), PE, eBioscience™
Class	Monoclonal
Type	Antibody
Clone	6A6
Conjugate	PE
Excitation/Emission Max	565/576 nm
Form	Liquid
Concentration	0.2 mg/mL
Purification	Affinity chromatography
Storage buffer	PBS, pH 7.2
Contains	0.09% sodium azide
Storage conditions	4° C, store in dark, DO NOT FREEZE!
RRID	AB_10598368

Applications	Tested Dilution	Publications
Flow Cytometry (Flow)	0.5 µg/test	1 Publication

Product Specific Information

Description: This 6A6 monoclonal antibody reacts with mouse CD96, a cell adhesion receptor also known as TACTILE. A member of the Ig superfamily, CD96 is a single pass transmembrane protein consisting of three extracellular Ig-like domains and a proline/serine/threonine rich region. CD96 is expressed on resident monocytes and T cells at all developmental stages (including gammadelta T cells, thymocytes, and NK cells). In the mouse, this receptor is not expressed on B cells. Unlike in humans, mouse CD96 does not exist as alternative splice variants. Reports indicate that CD96 binds CD155/poliovirus receptor and Nectin-1 to mediate NK cell adhesion to target cells and cytotoxicity.

This monoclonal antibody has been reported to block CD96 interaction with CD155 and Nectin-1.

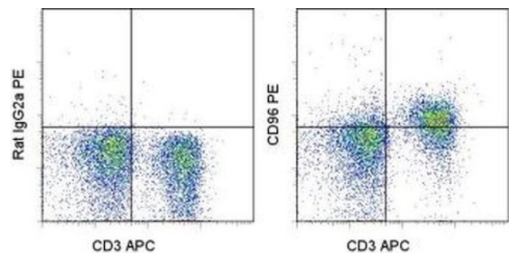
Applications Reported: This 6A6 antibody has been reported for use in flow cytometric analysis.

Applications Tested: This 6A6 antibody has been tested by flow cytometric analysis of mouse splenocytes. This can be used at less than or equal to 0.5 µg per test. A test is defined as the amount (µg) of antibody that will stain a cell sample in a final volume of 100 µL. Cell number should be determined empirically but can range from 10⁵ to 10⁸ cells/test. It is recommended that the antibody be carefully titrated for optimal performance in the assay of interest.

Excitation: 488-561 nm; **Emission:** 578 nm; **Laser:** Blue Laser, Green Laser, Yellow-Green Laser.

Filtration: 0.2 µm post-manufacturing filtered.

Product Images For CD96 (TACTILE) Monoclonal Antibody (6A6), PE, eBioscience™



CD96 (TACTILE) Antibody (12-0960-80) in Flow
Staining of C57Bl/6 splenocytes with Anti-Mouse CD3e APC (Product # 17-0032-82) and 0.25 µg of Rat IgG2a kappa Isotype Control PE (Product # 12-4321-80) (left) or 0.25 µg of Anti-Mouse CD96 PE (right). Cells in the lymphocyte gate were used for analysis.

1 Reference

Flow Cytometry (1)

mAbs		Year 2022
Antibody blockade of CD96 by distinct molecular mechanisms.		Species Mouse
"12-0960-80 was used in Flow cytometry/Cell sorting to investigate the structural and functional properties of surrogate anti-mouse CD96 antibodies and mouse CD96 receptors that may influence their activity and provide implications for the human setting."		
Authors: Lee PS,Chau B,Barman I,Bee C,Jashnani A,Hogan JM,Aguilar B,Dollinger G,Rajpal A,Strop P		

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