

# Axl Monoclonal Antibody (DS7HAXL), Super Bright™ 436, eBioscience™

Product Details	
Size	100 Tests
Species Reactivity	Human
Host/Isotype	Mouse / IgG1, kappa
Recommended Isotype Control	Mouse IgG1 kappa Isotype Control (P3.6.2.8.1), Super Bright™ 436, eBioscience™
Class	Monoclonal
Type	Antibody
Clone	DS7HAXL
Conjugate	Super Bright™ 436
Excitation/Emission Max	413/431 nm
Form	Liquid
Concentration	5 µL/Test
Purification	Affinity chromatography
Storage buffer	PBS, pH 7.2, with BSA
Contains	0.09% sodium azide
Storage conditions	4° C, store in dark, DO NOT FREEZE!
RRID	AB_2723963

Applications	Tested Dilution	Publications
Flow Cytometry (Flow)	5 µL (0.06 µg)/test	3 Publications

## Product Specific Information

This DS7HAXL monoclonal antibody recognizes human Axl, a member of the TAM family of tyrosine kinase receptors that also includes MerTK and Tyro3. This DS7HAXL antibody will work in flow cytometry on both native and paraformaldehyde-fixed cells. It has also been shown to stain formalin-fixed, paraffin-embedded tissues for IHC analysis.

Applications Reported: This DS7HAXL antibody has been reported for use in flow cytometric analysis.

Applications Tested: This DS7HAXL antibody has been pre-diluted and tested by flow cytometric analysis of normal human peripheral blood cells. This may be used at 5 µL (0.06 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 10<sup>5</sup> to 10<sup>8</sup> cells/test.

Super Bright 436 can be excited with the violet laser line (405 nm) and emits at 436 nm. We recommend using a 450/50 bandpass filter, or equivalent. Please make sure that your instrument is capable of detecting this fluorochrome.

When using two or more Super Bright dye-conjugated antibodies in a staining panel, it is recommended to use Super Bright Complete Staining Buffer (Product # SB-4401) to minimize any non-specific polymer interactions. Please refer to the datasheet for Super Bright Staining Buffer for more information.

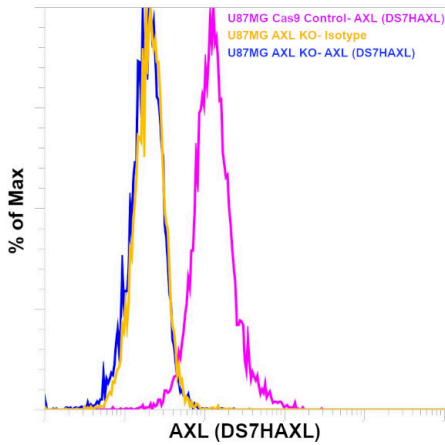
Excitation: 405 nm; Emission: 436 nm; Laser: Violet Laser

Super Bright Polymer Dyes are sold under license from Becton, Dickinson and Company.

**Product Images For Axl Monoclonal Antibody (DS7HAXL), Super Bright™ 436, eBioscience™**

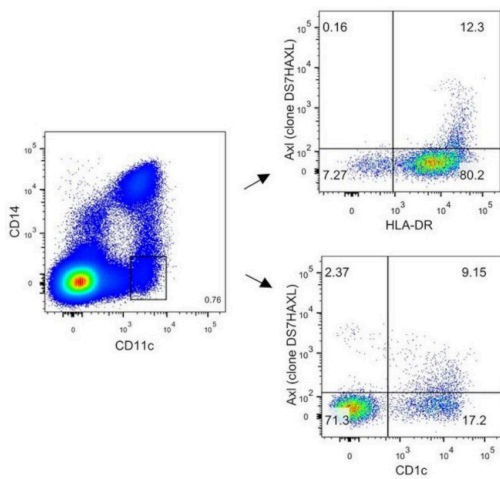
**Axl Antibody (62-1087-42)**

Antibody clone (DS7HAXL) specificity was demonstrated by CRISPR-Cas9 mediated knockout of target protein. Loss of signal was observed for target protein in Axl KO cells (blue histogram) compared to the control Cas9 cells (pink histogram) using Axl antibody (DS7HAXL). Yellow histogram represents staining with the isotype control. {KO}



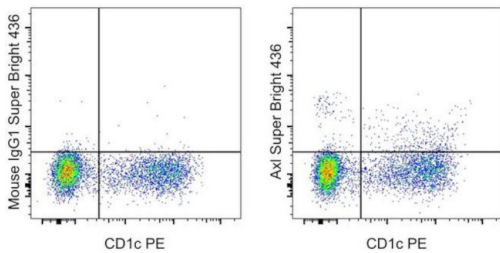
**Axl Antibody (62-1087-42)**

Staining of human peripheral blood mononuclear cells. As expected based on known expression patterns, Axl clone DS7HAXL stains a subset of CD11c+ /CD14- dendritic cells. Details: Normal human PBMC were surface stained with Axl clone DS7HAXL and co-stained with CD14, CD11c, CD1c and HLA-DR. CD11c+/CD14- cells were used for analysis. {RE}



**Axl Antibody (62-1087-42) in Flow**

Normal human peripheral blood cells were stained with HLA-DR Monoclonal Antibody, FITC (Product # 11-9956-42), CD1c Monoclonal Antibody, PE (Product # 12-0015-42), CD11c Monoclonal Antibody, APC (Product # 17-0116-42), and Mouse IgG1 kappa Isotype Control, Super Bright 436 (Product # 62-4714-82) (left) or Axl Monoclonal Antibody, Super Bright 436 (right). CD11c+/CD14- cells were used for analysis.



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## Flow Cytometry (3)

Pathogens (Basel, Switzerland)

### Oral Epithelial Cells Expressing Low or Undetectable Levels of Human Angiotensin-Converting Enzyme 2 Are Susceptible to SARS-CoV-2 Virus Infection In Vitro.

Year  
2023

"Published figure using Axl monoclonal antibody (Product # 62-1087-42) in Flow Cytometry"

Authors: Ebrahim L, Xu C, Wang A, Hernandez C, Siclari N, Rajah D, Walter L, Marras SAE, Tyagi S, Fine DH, Daep CA, Chang TL

Science advances

### Single-cell profiling of alveolar rhabdomyosarcoma reveals RAS pathway inhibitors as cell-fate hijackers with therapeutic relevance.

Year  
2023

"Published figure using Axl monoclonal antibody (Product # 62-1087-42) in Flow Cytometry"

Authors: Danielli SG, Porpiglia E, De Micheli AJ, Navarro N, Zellinger MJ, Bechtold I, Kisele S, Volken L, Marques JG, Kasper S, Bode PK, Henssen AG, Grger D, Delattre O, Surdez D, Roma J, Bhlmann P, Blau HM, Wachtel M, Schfer BW

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