

Axl Monoclonal Antibody (DS7HAXL), PE, eBioscience™

Product Details	
Size	100 Tests
Species Reactivity	Human
Published Species	Human
Host/Isotype	Mouse / IgG1, kappa
Recommended Isotype Control	Mouse IgG1 kappa Isotype Control (P3.6.2.8.1), PE, eBioscience™
Class	Monoclonal
Type	Antibody
Clone	DS7HAXL
Conjugate	PE
Excitation/Emission Max	565/576 nm
Form	Liquid
Concentration	5 µL/Test
Purification	Affinity chromatography
Storage buffer	PBS, pH 7.2, with 0.2% BSA
Contains	0.09% sodium azide
Storage conditions	4° C, store in dark, DO NOT FREEZE!
RRID	AB_2723961

Applications	Tested Dilution	Publications
Flow Cytometry (Flow)	5 µL (0.06 µg)/test	4 Publications

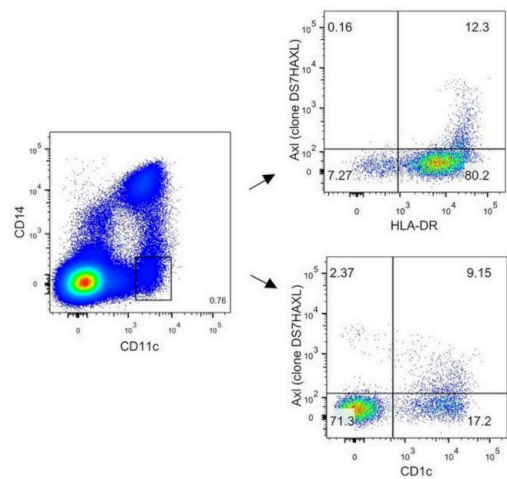
Product Specific Information

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 10⁵ to 10⁸ cells/test.

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

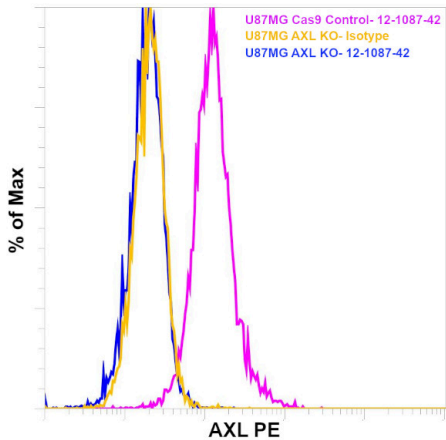


Axl Antibody (12-1087-42)

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}

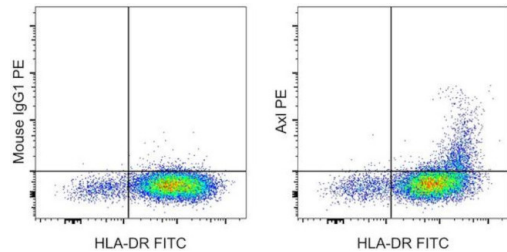
Axl Antibody (12-1087-42) in Flow

Knockout of AXL was achieved by CRISPR-Cas9 genome editing using LentiArray™ Lentiviral sgRNA (Product # A32042, Assay ID CRISPR932417_LV) and LentiArray Cas9 Lentivirus (Product # A32064). Flow cytometry analysis of AXL was performed by staining U-87 MG AXL Knock out cells with 0.06 µg Mouse IgG1 kappa Isotype Control (P3.6.2.8.1), PE, eBioscience™ (Product # 12-4714-82, yellow histogram) or 0.06 µg Axl Monoclonal Antibody (DS7HAXL), PE, eBioscience™ (Product # 12-1087-42, blue histogram). U87MG Cas9 control cells were also stained with 0.06 µg Axl Monoclonal Antibody (DS7HAXL), PE, eBioscience™ (Product # 12-1087-42, pink histogram). Loss of signal was observed in the AXL KO cells stained with AXL antibody clone DS7HAXL but not in the control Cas9 cells. Viable cells were used for analysis, as determined by Fixable Viability Dye eFluor™780 (Product # 65-0865-18).



Axl Antibody (12-1087-42) in Flow

Normal human peripheral blood cells were stained with HLA-DR Monoclonal Antibody, FITC (Product # 11-9956-42), CD1c Monoclonal Antibody, APC (Product # 17-0015-42), CD11c Monoclonal Antibody, eFluor 450 (Product # 49-0116-42), and Mouse IgG1 kappa Isotype Control, PE (Product # 12-4714-82) (left) or Axl Monoclonal Antibody, PE (right). CD11c+/CD14- cells were used for analysis.



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Flow Cytometry (4)

Science advances	Year 2023
Single-cell profiling of alveolar rhabdomyosarcoma reveals RAS pathway inhibitors as cell-fate hijackers with therapeutic relevance.	
"Published figure using Axl monoclonal antibody (Product # 12-1087-42) 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rgeren D, Delattre O, Surdez D, Roma J, Bhlmann P, Blau HM, Wachtel M, Schfer BW	
Nature communications	Year 2022
Remodelling of tumour microenvironment by microwave ablation potentiates immunotherapy of AXL-specific CAR T cells against non-small cell lung cancer.	
"Published figure using Axl monoclonal antibody (Product # 12-1087-42) in Flow Cytometry"	
Authors: Cao B, Liu M, Wang L, Zhu K, Cai M, Chen X, Feng Y, Yang S, Fu S, Zhi C, Ye X, Zhang J, Zhang Z, Yang X, Zhao M, Wu Q, Xu L, Yang L, Lian H, Zhao Q, Zhang Z	

[View more Flow references on thermofisher.com](#)

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