Axl Monoclonal Antibody (MAXL8DS), PE-Cyanine7, eBioscience™

Product Details	
Size	100 µg
Species Reactivity	Mouse
Host/Isotype	Rat / IgG2a, kappa
Recommended Isotype Control	Rat IgG2a kappa Isotype Control (eBR2a), PE-Cyanine7, eBioscience™
Class	Monoclonal
Type	Antibody
Clone	MAXL8DS
Conjugate	PE-Cyanine7
Excitation/Emission Max	569/780 nm
Immunogen	C57BL/6 mouse Axl-human IgG Fc fusion protein
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_2734852

Applications	Tested Dilution	Publications
Flow Cytometry (Flow)	0.125 µg/test	-

Product Specific Information

Description: This MAXL8DS monoclonal antibody recognizes mouse Axl, a member of the TAM family of tyrosine kinase receptors that also includes MerTK and Tyro3. Within hematopoietic compartment the highest expression of Axl can be observed on dendritic cells and macrophages. Stimulation with TLR ligands has been shown to additionally upregulate this expression. This MAXL8DS antibody will work in flow cytometry on both native and fixed/permeabilized cells.

Applications Reported: This MAXL8DS antibody has been reported for use in flow cytometric analysis.

Applications Tested: This MAXL8DS antibody has been tested by flow cytometric analysis of mouse bone marrow cells cultured in the presence of GM-CSF. This may be used at less than or equal to 0.125 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 10^5 to 10^8 cells/test. It is recommended that the antibody be carefully titrated for optimal performance in the assay of interest.

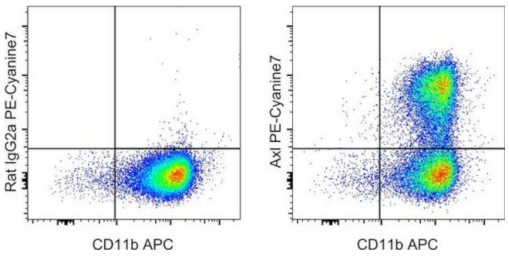
Light sensitivity: This tandem dye is sensitive to photo-induced oxidation. Please protect this vial and stained samples from light.

Fixation: Samples can be stored in IC Fixation Buffer (Product # 00-8222) (100 µL of cell sample + 100 µL of IC Fixation Buffer) or 1-step Fix/Lyse Solution (Product # 00-5333) for up to 3 days in the dark at 4°C with minimal impact on brightness and FRET efficiency/compensation. Some generalizations regarding fluorophore performance after fixation can be made, but

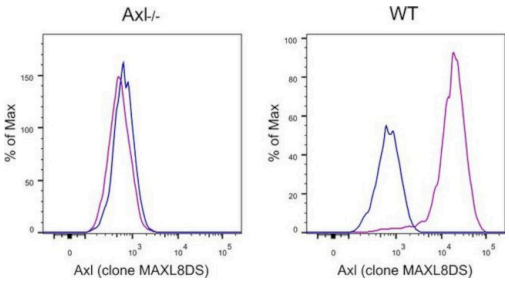
clone specific performance should be determined empirically.

Excitation: 488-561 nm; Emission: 775 nm; Laser: Blue Laser, Green Laser, Yellow-Green Laser

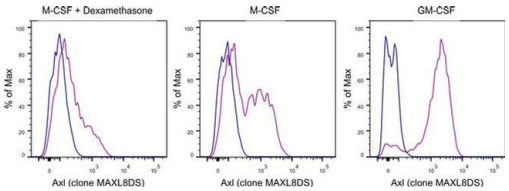
Product Images For Axl Monoclonal Antibody (MAXL8DS), PE-Cyanine7, eBioscience™



Axl Antibody (25-1084-82) in Flow
Mouse bone marrow cells were cultured in the presence of GM-CSF for 7 days, Fc blocked with CD16/CD32 Antibody (Product # 14-0161-82) and normal mouse serum, and subsequently stained with CD11b Monoclonal Antibody, APC (Product # 17-0112-82) and 0.06 µg of Rat IgG2a kappa Isotype Control, PE-Cyanine7 (Product # 25-4321-82) (left) or 0.06 µg of Axl Monoclonal Antibody, PE-Cyanine7 (right). Total viable cells were used for analysis, as determined by Fixable Viability Dye eFluor 450 (Product # 65-0863-18).



Axl Antibody (25-1084-82)
Staining of mouse splenocytes cultured for 7 days in the presence of GM-CSF. As expected, Axl Monoclonal Antibody stains dendritic cells from WT mouse but not from Axl-/- mouse. Details: splenocytes from Axl-/- mouse (left panel) or WT mouse (right panel) were cultured for 7 days in the presence of GM-CSF. The cells were then Fc blocked, stained with CD11c (clone N418), and stained with Rat IgG2a Isotype control (blue histograms) or Axl (clone MAXL8DS) (purple histograms). Viable cells expressing CD11c were used for analysis. {KO}



Axl Antibody (25-1084-82)
Staining of mouse bone marrow cells cultured for 7 days in the presence of either M-CSF and dexamethasone, M-CSF alone, or GM-CSF. As expected, dexamethasone decreases the expression of Axl, whereas GM-CSF induces more Axl than M-CSF. Details: C57BL/6 bone marrow was cultured for 7 days with the indicated factors, Fc blocked, and stained with CD11b (clone M1/70), and Rat IgG2a Isotype control (blue histogram) or Axl (clone MAXL8DS) (purple histogram). Viable cells expressing CD11b were used for analysis. {TM}