

## APC Anti-Mouse MERTK Antibody[2B10C42]

**Catalog Number:** AN00871E

**Note:** Centrifuge before opening to ensure complete recovery of vial contents.

### Description

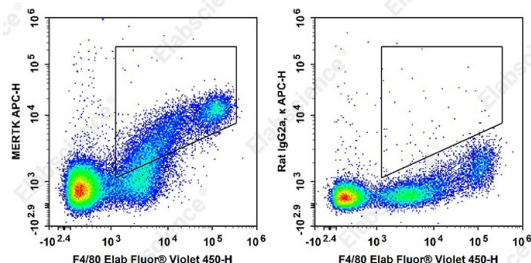
<b>Reactivity</b>	Mouse
<b>Host</b>	Rat
<b>Isotype</b>	Rat IgG2a, $\kappa$
<b>Clone No.</b>	2B10C42
<b>Isotype Control</b>	APC Rat IgG2a, $\kappa$ Isotype Control[2A3] [Product E-AB-F09832E]
<b>Conjugation</b>	APC
<b>Conjugation Information</b>	APC is designed to be excited by the Red (627-640 nm) laser and detected using an optical filter centered near 660 nm (e.g., a 660/20 nm bandpass filter).
<b>Storage Buffer</b>	Phosphate buffered solution, pH 7.2, containing 0.09% stabilizer.

### Applications

### Recommended usage

<b>FCM</b>	Each lot of this antibody is quality control tested by flow cytometric analysis. <b>The amount of the reagent is suggested to be used 5 <math>\mu</math>L of antibody per test (million cells in 100 <math>\mu</math>L staining volume or per 100 <math>\mu</math>L of whole blood).</b> Please check your vial before the experiment. Since applications vary, the appropriate dilutions must be determined for individual use.
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### Data



Staining of C57BL/6 murine abdominal macrophages elicited

by Thioglycolate are stained with Elab Fluor® Violet 450 Anti-Mouse F4/80 Antibody[Cl:A3-1] and APC Anti-Mouse MERTK Antibody[2B10C42] (left) or APC Rat IgG2a,  $\kappa$  Isotype Control (right).

### Preparation & Storage

<b>Storage</b>	Keep as concentrated solution. This product can be stored at 2-8°C for 12 months. Please protected from prolonged exposure to light and do not freeze.
<b>Shipping</b>	Ice bag

### Antigen Information

<b>Alternate Names</b>	Mer;EyK;Nyk;nmf12
<b>Uniprot ID</b>	Q60805
<b>Gene ID</b>	17289

### For Research Use Only

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## Background

MerTK (Mer) is a member of the TAM (TYRO3/AXL/MerTK) family. It is a transmembrane protein with two fibronectin type-III domains, two Ig-like C2-type domains, and one tyrosine kinase domain. MerTK is mainly expressed by macrophages, monocytes, and dendritic cells. Its ligands are LGALS3, TUB, TULP1, and GAS6. MerTK is involved in the regulation of TLR signaling, efferocytosis, phagocytosis, cell survival, macrophage migration, and the inhibition of inflammation.