

**PRODUCT INFORMATION**

<b>Clone ID</b>	1F12
<b>Target</b>	APLP2
<b>Synonyms</b>	APLP-2;APPH;APPL2;CDEBP
<b>Host Species</b>	Rabbit
<b>Description</b>	Anti-APLP2 antibody(1F12), Rabbit mAb
<b>Delivery</b>	In Stock
<b>Uniprot ID</b>	Q06481
<b>IgG type</b>	Rabbit IgG
<b>Clonality</b>	Monoclonal
<b>Reactivity</b>	Human
<b>Applications</b>	Flow Cyt
<b>Recommended Dilutions</b>	Flow Cyt 1/100
<b>Purification</b>	Purified from cell culture supernatant by affinity chromatography
<b>Endotoxin</b>	Less than 1.0 EU/ $\mu$ g by the LAL method. For <1 EU/mg requirements, please contact us for customization.
<b>Formulation &amp; Reconstitution</b>	Lyophilized from sterile PBS, pH 7.4. Normally 5 % - 8% trehalose is added as protectants before lyophilization. Please see Certificate of Analysis for specific instructions of reconstitution.
<b>Storage&amp;Shipping</b>	Store at -20°C to -80°C for 12 months in lyophilized form. After reconstitution, if not intended for use within a month, aliquot and store at -80°C (Avoid repeated freezing and thawing).
<b>Background</b>	This gene encodes amyloid precursor- like protein 2 (APLP2), which is a member of the APP (amyloid precursor protein) family including APP, APLP1 and APLP2. This protein is ubiquitously expressed. It contains heparin-, copper- and zinc- binding domains at the N-terminus, BPTI/Kunitz inhibitor and E2 domains in the middle region, and transmembrane and intracellular domains at the C-terminus. This protein interacts with major histocompatibility complex (MHC) class I molecules. The synergy of this protein and the APP is required to mediate neuromuscular transmission, spatial learning and synaptic plasticity. This protein has been implicated in the pathogenesis of Alzheimer's disease. Multiple alternatively spliced transcript variants encoding different isoforms have been identified. [provided by RefSeq, Aug 2011]
<b>Usage</b>	Research use only
<b>Conjugate</b>	Unconjugated



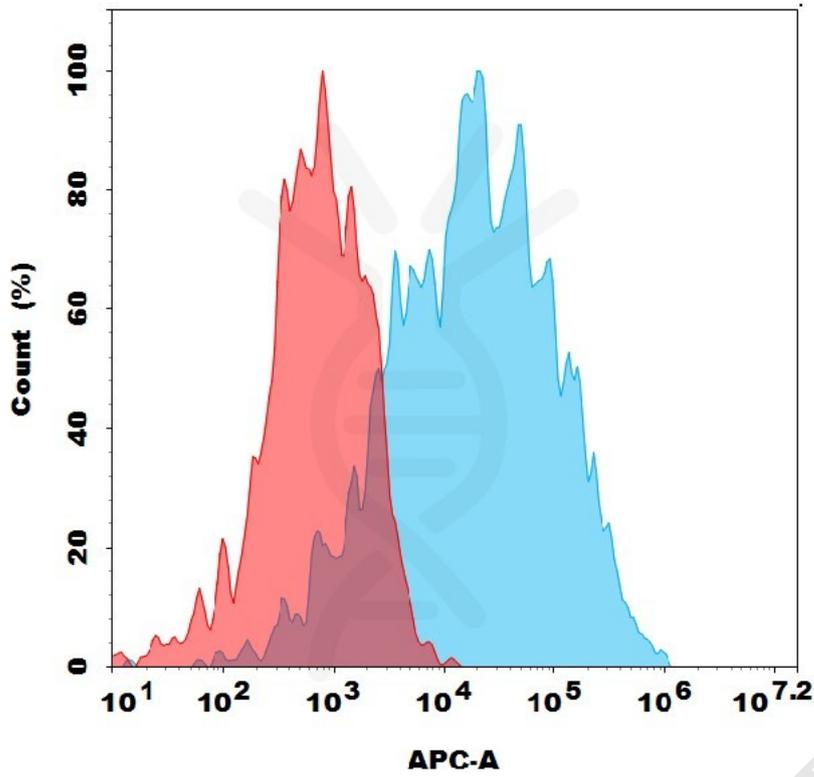


Figure 1. Flow cytometry analysis with 2 $\mu$ g/mL Anti-APLP2 (1F12) mAb on HEK293 cells transfected with human APLP2 (Blue histogram) or HEK293 transfected with irrelevant protein (Red histogram).

