

APC anti-human AXL Antibody

| | |
|--------------------------|---|
| Catalog# / Size | 386205 / 25 tests 386206 / 100 tests |
| Clone | S21005B |
| Regulatory Status | RUO |
| Other Names | ARK, AXL receptor tyrosine kinase, AXL transforming sequence/gene, AXL oncogene, JTK11, Tyro7, tyrosine-protein kinase receptor UFO |
| Isotype | Mouse IgG1, κ |
| Description | AXL, also known as ARK or UFO, is a widely expressed glycoprotein in the TAM (Tyr03/Dtk, AXL, and Mer) receptor tyrosine kinase family. AXL is highly expressed in solid cancers. It is also expressed on a small population of human dendritic cells that share characteristics of classical and plasmacytoid dendritic cells. AXL binds the vitamin K-dependent growth arrest specific 6 (Gas6) protein and induces receptor autophosphorylation and downstream signaling pathways that are related to cell proliferation, migration, or apoptosis. AXL is also involved in hematopoiesis, embryonic development, tumorigenesis, and regulation of testicular functions. Recent studies have also shown that AXL and Mer are both linked to Alzheimer's disease |

Product Details

| | |
|-------------------------------|---|
| Verified Reactivity | Human |
| Antibody Type | Monoclonal |
| Host Species | Mouse |
| Formulation | Phosphate-buffered solution, pH 7.2, containing 0.09% sodium azide and BSA (origin USA) |
| Preparation | The antibody was purified by affinity chromatography and conjugated with APC under optimal conditions. |
| Concentration | Lot-specific (to obtain lot-specific concentration and expiration, please enter the lot number in our Certificate of Analysis online tool.) |
| Storage & Handling | The antibody solution should be stored undiluted between 2°C and 8°C, and protected from prolonged exposure to light. Do not freeze. |
| Application | FC - Quality tested |
| Recommended Usage | Each lot of this antibody is quality control tested by immunofluorescent staining with flow cytometric analysis . For flow cytometric staining, the suggested use of this reagent is 5 μ L per million cells in 100 μ L staining volume or 5 μ L per 100 μ L of whole blood. It is recommended that the reagent be titrated for optimal performance for each application. |
| Excitation Laser | Red Laser (633 nm) |
| Application Notes | Clone S21005B recognizes a different epitope compared to clone S21005C. Clone S21005B can block GAS6 induced AKT and ERK phosphorylation in H1299 cells. |
| RRID | AB_3675103 (BioLegend Cat. No. 386205) AB_3675103 (BioLegend Cat. No. 386206) |

Antigen Details

| | |
|------------------|--|
| Structure | Transmembrane protein with two fibronectin type-III domains, two Ig-like C2-type domains, and one tyrosine kinase domain |
|------------------|--|

| | |
|---------------------------|--|
| Distribution | Highly expressed in solid cancers and also expressed on human blood plasmacytoid dendritic cells and myeloid dendritic cells |
| Function | Binding of Gas6 induces receptor autophosphorylation and downstream signaling pathways that are related to cell proliferation, migration, or apoptosis. It is involved in hematopoiesis, embryonic development, tumorigenesis, and regulation of testicular functions. Recent studies have also shown that AXL and Mer are both linked to Alzheimer's disease. |
| Ligand/Receptor | Gas6 and Protein S |
| Cell Type | Dendritic cells, NK cells |
| Biology Area | Apoptosis/Tumor Suppressors/Cell Death, Cardiovascular Biology, Cell Death, Cell Proliferation and Viability, Immuno-Oncology, Signal Transduction |
| Molecular Family | Cytokine/Chemokine Receptors, Cytokines/Chemokines |
| Antigen References | <ol style="list-style-type: none"> Holland S, <i>et al.</i> 2005. <i>Canc Res.</i> 65:9294-303. Lee WP, <i>et al.</i> 2002. <i>Oncogene.</i> 21:329-36. Demarchi F, <i>et al.</i> 2001. <i>J Biol Chem.</i> 276:31738-44. |
| Gene ID | 558 |

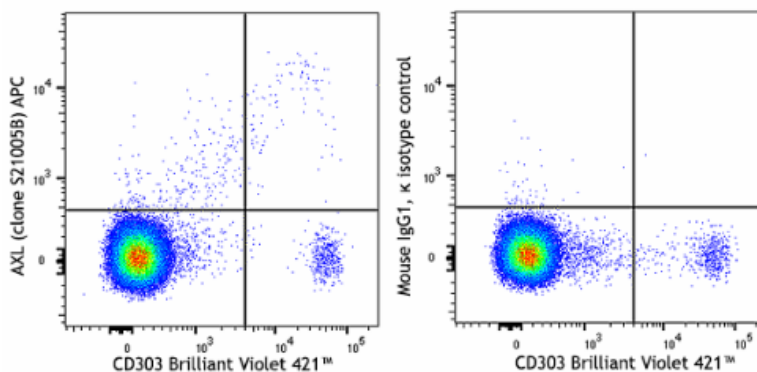
Related Protocols

- [Cell Surface Flow Cytometry Staining Protocol](#)

Other Formats

Purified anti-human AXL, PE anti-human AXL, APC anti-human AXL, PE/Cyanine7 anti-human AXL

Product Data



Human peripheral blood mononuclear cells were stained with a lineage cocktail of anti-human CD3/CD19/CD14/CD15 PE, anti-human CD303 (clone 201A) Brilliant Violet 421™ and anti-human AXL (clone S21005B) APC (left) or mouse IgG1 κ APC isotype control (right). Data shown was gated on the lineage-negative population.

For Research Use Only. Not for diagnostic or therapeutic use.

This product is supplied subject to the terms and conditions, including the limited license, located at www.biolegend.com/terms ("Terms") and may be used only as provided in the Terms. Without limiting the foregoing, BioLegend products may not be used for any Commercial Purpose as defined in the Terms, resold in any form, used in manufacturing, or reverse engineered, sequenced, or otherwise studied or used to learn its design or composition without express written approval of BioLegend. Regardless of the information given in this document, user is solely responsible for determining any license requirements necessary for user's intended use and assumes all risk and liability arising from use of the product. BioLegend is not responsible for patent infringement or any other risks or liabilities whatsoever resulting from the use of its products.

BioLegend, the BioLegend logo, and all other trademarks are property of BioLegend, Inc. or their respective owners, and all rights are reserved.

8999 BioLegend Way, San Diego, CA 92121 www.biolegend.com
Toll-Free Phone: 1-877-Bio-Legend (246-5343) Phone: (858) 768-5800 Fax: (877) 455-9587