

Store at
-20C
#18350

Tyro/Axl/Mer Activation Antibody Sampler Kit



Orders: 877-616-CELL (2355)
orders@cellsignal.com

Support: 877-678-TECH (8324)

Web: info@cellsignal.com
cellsignal.com

1 Kit (6 x 20 microliters)

3 Trask Lane | Danvers | Massachusetts | 01923 | USA

For Research Use Only. Not for Use in Diagnostic Procedures.

Product Includes	Product #	Quantity	Mol. Wt	Isotype/Source
Phospho-Axl (Tyr698)/Mer (Tyr749)/Tyro3 (Tyr681) (D6M4W) Rabbit mAb	44463	20 µl	110-130, 125-140, 180-200 kDa	Rabbit IgG
Phospho-Axl (Tyr702) (D12B2) Rabbit mAb	5724	20 µl	138 kDa	Rabbit IgG
Axl (C89E7) Rabbit mAb	8661	20 µl	138 kDa	Rabbit IgG
Mer (D21F11) XP® Rabbit mAb	4319	20 µl	210 kDa	Rabbit IgG
Tyro3 (D38C6) Rabbit mAb	5585	20 µl	110, 130 kDa	Rabbit IgG
GAS6 (D3A3G) Rabbit mAb	67202	20 µl	78 kDa	Rabbit IgG
Anti-rabbit IgG, HRP-linked Antibody	7074	100 µl		Goat

Please visit cellsignal.com for individual component applications, species cross-reactivity, dilutions, protocols, and additional product information.

Description

The Tyro/Axl/Mer Activation Antibody Sampler Kit provides an economical means of detecting the activation of TAM family members using phospho-specific and control antibodies. The kit includes enough antibodies to perform two western blot experiments with each primary antibody.

Storage

Supplied in 10 mM sodium HEPES (pH 7.5), 150 mM NaCl, 100 µg/ml BSA, 50% glycerol and less than 0.02% sodium azide. Store at -20°C. *Do not aliquot the antibody.*

Background

Axl, Mer and Tyro3 are three members of the TAM family receptor tyrosine kinase that share a common NCAM (neural adhesion molecule)-related extracellular domain and a conserved intracellular tyrosine kinase domain. These receptors bind common homologous vitamin K dependent protein GAS6 and protein S to activate downstream signaling pathways (1). TAM family receptors are involved in the development of immune, nervous, vascular and reproductive systems, autoimmune disease, cancer drug resistance and tumor immunity response (2-5). Axl (Tyr698), Axl (Tyr702), Mer Tyr(749) and Tyro3 (Tyr681) are conserved autophosphorylation sites located in the activation loop of the respective tyrosine kinase domains. Phosphorylation at these sites is required for full kinase activation of each of the corresponding receptors (6,7).

Background References

1. Rothlin, C.V. et al. (2015) *Annu Rev Immunol* 33, 355-91.
2. Burstyn-Cohen, T. (2017) *Int J Dev Biol* 61, 215-24.
3. Bellan, M. et al. (2016) *Int J Mol Sci* 17, pii: E1807.
4. Schoumacher, M. and Burbridge, M. (2017) *Curr Oncol Rep* 19, 19.
5. Akalu, Y.T. et al. (2017) *Immunol Rev* 276, 165-77.
6. Ling, L. et al. (1996) *J Biol Chem* 271, 18355-62.
7. Onken, J. et al. (2017) *Oncotarget* 8, 50403-14.

Trademarks and Patents

Cell Signaling Technology is a trademark of Cell Signaling Technology, Inc.

XP is a registered trademark of Cell Signaling Technology, Inc.

All other trademarks are the property of their respective owners. Visit cellsignal.com/trademarks for more information.

Limited Uses

Except as otherwise expressly agreed in a writing signed by a legally authorized representative of CST, the following terms apply to Products provided by CST, its affiliates or its distributors. Any Customer's terms and conditions that are in addition to, or different from, those contained herein, unless separately accepted in writing by a legally authorized representative of CST, are rejected and are of no force or effect.

Products are labeled with For Research Use Only or a similar labeling statement and have not been approved, cleared, or licensed by the FDA or other regulatory foreign or domestic entity, for any purpose. Customer shall not use any Product for any diagnostic or therapeutic purpose, or otherwise in any manner that conflicts with its labeling statement. Products sold or licensed by CST are provided for

Customer as the end-user and solely for research and development uses. Any use of Product for diagnostic, prophylactic or therapeutic purposes, or any purchase of Product for resale (alone or as a component) or other commercial purpose, requires a separate license from CST. Customer shall (a) not sell, license, loan, donate or otherwise transfer or make available any Product to any third party, whether alone or in combination with other materials, or use the Products to manufacture any commercial products, (b) not copy, modify, reverse engineer, decompile, disassemble or otherwise attempt to discover the underlying structure or technology of the Products, or use the Products for the purpose of developing any products or services that would compete with CST products or services, (c) not alter or remove from the Products any trademarks, trade names, logos, patent or copyright notices or markings, (d) use the Products solely in accordance with CST Product Terms of Sale and any applicable documentation, and (e) comply with any license, terms of service or similar agreement with respect to any third party products or services used by Customer in connection with the Products.