

## Product Datasheet

# Phospho-HS1 (Tyr397) (F12) rabbit mAb APC Conjugate Antibody (orb1946041)

<b>Catalog Number</b>	orb1946041
<b>Category</b>	Antibodies
<b>Description</b>	<p>HS1 is expressed in lymphoid and hematopoietic cells, and is heavily post-translationally modified. HS1 deficient mouse models have demonstrated the protein's role in receptor-mediated apoptosis and proliferation. HS1 is phosphorylated at Tyr378 and Tyr397 by the kinase Syk, providing a high-affinity binding site for SH2 domains from the Src family. Following this interaction, HS1 is then phosphorylated at Tyr222 by c-Fgr, Lyn, and Fyn kinases. HS1 plays an important role in T cell signaling, where HS1 phosphorylation recruits and activates Vav1 at the immune synapse. As a homolog of the actin binding protein cortactin, HS1 has been shown to mediate neutrophil chemotaxis through phosphorylation of tyrosines 222, 378, and 397.</p>
<b>Clonality</b>	Monoclonal
<b>Species/Host</b>	Rabbit
<b>Isotype</b>	Rabbit IgG1k
<b>Conjugation</b>	APC
<b>Reactivity</b>	Human, Mouse
<b>Form/Appearance</b>	Liquid
<b>Buffer/Preservatives</b>	1X PBS, 0.09% NaN <sub>3</sub> , 0.2% rAlbumin
<b>Purification</b>	Protein A+G
<b>Immunogen</b>	A synthetic phospho-peptide corresponding to residues surrounding Tyr397 of human phospho HS1

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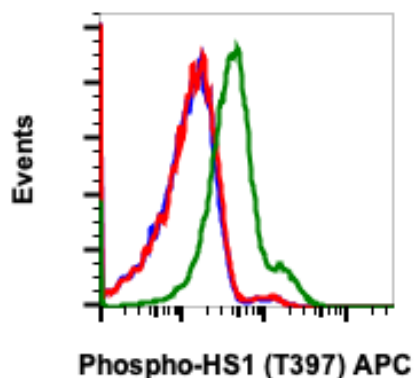
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**UniProt ID** **P14317****Tested applications** FC**Dilution range** For flow cytometric staining, the suggested use of this reagent is 5  $\mu$ L per million cells or 5  $\mu$ L per 100  $\mu$ L of staining volume. It is recommended that the reagent be titrated for optimal performance for each application. See product image legends for additional information.**Cross Reactivity** Predicted to work with mouse, rat and other homologues.**Clone Number** HS1Y397-F12**Storage** 2-8°C**Note** For research use only**Expiration Date** 12 months from date of receipt.

Flow cytometric analysis of Ramos cells untreated and unstained as negative control (blue) or untreated (red) or treated with pervanadate (green) and stained using Phospho-HS1 (Tyr397) APC conjugated antibody HS1Y397-F12. Cat. #orb1946041.

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