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12-4314: Phospho-HS1 (Tyr397) (Clone: F12) rabbit mAb APC Conjugate

Clonality: Monoclonal
Clone Name: HS1Y397-F12

Application: FACS

Reactivity: Human, Mouse

Conjugate: APC

Format: Conjugated

Alternative Name: Hematopoietic lineage cell-specific protein, Hematopoietic cell-specific LYN substrate 1,

LckBP1, p75, HCLS1

Isotype: Rabbit IgG1k

Immunogen Information: A synthetic phospho-peptide corresponding to residues surrounding Tyr397 of human

phospho HS1

Description

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.

Product Info

Amount: 10 Tests / 100 Tests

Content: 1X PBS, 0.09% NaN3, 0.2% BSA

Storage condition : Store at 2-8°C. Avoid repeated freeze and thaw cycles.

Application Note

For flow cytometric staining, the suggested use of this reagent is $5 \text{ A} \triangle \mu$ per million cells or $5 \text{ A} \triangle \mu$ per 100 A $\triangle \mu$ of staining volume. It is recommended that the reagent be titrated for optimal performance for each application. See product image legends for additional information.

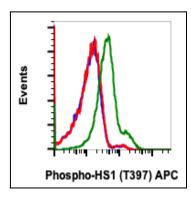


Fig-1: Flow cytometric analysis of Ramos cells untreated and unstained as negative control (blue) or untreated (red) or treated with pervanadate (green) and stained using Phospho-HS1 (Tyr397) APC conjugated antibody HS1Y397-F12.