

For Research Use Only

PE Anti-Mouse ICOSLG/B7-H2/CD275 (HK5.3)

Catalog Number: PE-65114



Basic Information

Catalog Number:

PE-65114

Size:

100ug, 0.2 mg/ml

Source:

Rat

Isotype:

IgG2a, kappa

GenBank Accession Number:

BC029227

GeneID (NCBI):

50723

UNIPROT ID:

Q9JHJ8

Full Name:

icos ligand

Purification Method:

Affinity purification

CloneNo.:

HK5.3

Excitation/Emission maxima wavelengths:

496 nm, 565 nm / 578 nm

Applications

Tested Applications:

FC

Species Specificity:

mouse

Background Information

CD275, also known as B7-H2, ICOSLG or GL50, is a type I transmembrane glycoprotein belonging to the B7 ligand family. CD275 is extensively expressed on professional antigen-presenting cells including B cells, macrophages, and dendritic cells, as well as non-lymphoid cells including mesenchymal stem cells, endothelial cells, fibroblasts, and tumor cells (PMID: 33756276; 35800767). It is a specific ligand for the T-cell-specific cell surface receptor ICOS and acts as a co-stimulatory molecule (PMID: 11023515; 11007762). The interaction of CD275/ICOSLG and ICOS plays important roles in the activation, proliferation, differentiation, and cytokine production of T cells as well as in the antibody secretion from B cells during secondary immune responses (PMID: 21851236).

Storage

Storage:

Store at 2-8°C. Avoid exposure to light. Stable for one year after shipment.

Storage Buffer:

Phosphate based buffer with 0.09% sodium azide and 0.1% gelatin, pH 7.2.

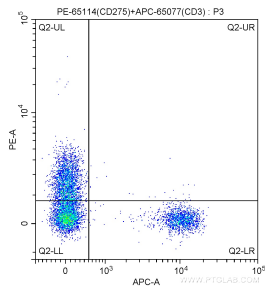
For technical support and original validation data for this product please contact:

T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)

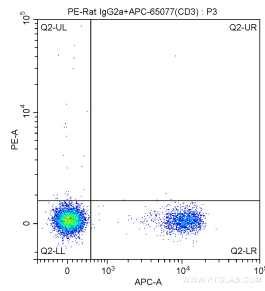
E: proteintech@ptglab.com
W: ptglab.com

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Selected Validation Data



1X10⁶ C57BL/6 mouse splenocytes were surface stained with APC Anti-Mouse CD3 (APC-65077, Clone: 17A2) and 0.06 ug PE Anti-Mouse CD275 (B7-H2) (PE-65114, Clone: HK5.3). Cells were not fixed.



1X10⁶ C57BL/6 mouse splenocytes were surface stained with APC Anti-Mouse CD3 (APC-65077, Clone: 17A2) and 0.06 ug PE-Rat IgG2a isotype control. Cells were not fixed.