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Anti-Human CD82 Purified

Catalog Number: 14-0829
Also Known As:R2, KAI
RUO: For Research Use Only

Product Information

Contents: Anti-Human CD82 Purified
REF Catalog Number: 14-0829
Clone: 53H5
Concentration: 0.5 mg/ml
Host/Isotype: Mouse IgG2a, κ

Formulation: aqueous buffer, 0.09% sodium azide, may contain carrier protein/stabilizer
Temperature Limitation: Store at 2-8°C.
LOT Batch Code: Refer to Vial
Use By: Refer to Vial
Caution, contains Azide

Description

The 53H5 monoclonal antibody reacts with human CD82, a 50-53 kDa protein belonging to the tetra-span (TM4) transmembrane proteins. CD82 is expressed broadly by the majority of hematopoietic lineages, but not erythrocytes. Activation of T and B lymphocytes upregulates CD82 expression. CD82 is also expressed by epithelial and endothelial cells and fibroblasts.

Applications Reported

This 53H5 antibody has been reported for use in flow cytometric analysis. (Please use Functional Grade purified 53H5, cat. 16-0829, in functional assays.)

Applications Tested

This 53H5 antibody has been tested by flow cytometric analysis of human peripheral blood mononuclear cells. This can be used at less than or equal to 0.25 µg per test. A test is defined as the amount (µg) of antibody that will stain a cell sample in a final volume of 100 µL. Cell number should be determined empirically but can range from 10^5 to 10^8 cells/test. It is recommended that the antibody be carefully titrated for optimal performance in the assay of interest.

References

Shibagaki N, Hanada K, Yamaguchi S, Yamashita H, Shimada S, Hamada H. Functional analysis of CD82 in the early phase of T cell activation: roles in cell adhesion and signal transduction. Eur J Immunol. 1998 Apr;28(4):1125-33. (53H5, FA, PubMed)

Related Products

11-4011 Anti-Mouse IgG FITC
11-4317 Streptavidin FITC
12-4317 Streptavidin PE
13-4013 Anti-Mouse IgG Biotin (Polyclonal)
14-4724 Mouse IgG2a K Isotype Control Purified
17-4317 Streptavidin APC

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