

TECHNICAL DATA SHEET

CyFlow™ GRAP2 Purified Anti-Hu; Clone UW40

REF CE576626

For Research Use Only.
Not for use in diagnostic or therapeutic procedures.

Specifications

Antigen	GRAP2
Alternative Names	GADS
Clone	UW40
Clonality	monoclonal
Format	Purified
Host / Isotype	Mouse / IgG2a
Species Reactivity	Human
Negative Species Reactivity	—
Quantity [Concentration]	0.1 mg [1 mg/ml]
Immunogen	GST-fusion human GRAP2/GADS protein

Specificity

The mouse monoclonal antibody UW40 recognizes GRAP2 (GADS), a 41 kDa cytoplasmic adaptor protein that plays a pivotal role during the early events of signal transduction in T cells.

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Application

Based on published sources, this antibody is suitable for the following applications:

- Flow cytometry
- Immunoprecipitation
- Western blot

Storage Buffer

The reagent is provided in phosphate buffered saline (PBS) solution, pH $\approx$ 7.4, containing 0.1% (w/v) sodium azide.

Storage and Stability

Storage	Avoid prolonged exposure to light. Store in the dark at 2-8°C. Do not freeze.
Stability	Do not use after expiration date stamped on vial label.

Background Information

GRAP2; Grb2-related adaptor protein 2 or GADS; Grb2-related adaptor downstream of Shc, is a cytoplasmic adaptor protein containing N- and C-terminal SH3 domains flanking a central SH2 domain and a proline/glutamine-rich region. It is expressed predominantly in lymphoid tissue and hematopoietic cells, particularly in T cells. GRAP2 (GADS) plays a pivotal role during the early events of T cell signal transduction by recruiting the adaptor protein SLP-76 and its associated molecules, such as Vav, Nck, Itk, and ADAP, to the transmembrane adaptor protein LAT. GRAP2 (GADS) also binds several other signaling proteins, namely Gab2, HPK1 (hematopoietic progenitor kinase 1), and Cbl. Unlike similar adaptor protein Grb2, GRAP2 (GADS) shows higher selectivity when binding to the particular phosphorylated tyrosines of LAT adaptor.

References

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The Safety Data Sheet for this product is available at www.sysmex-partec.com/services.

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