

## Anti-GRAP2 Purified Monoclonal Antibody

Catalog Number: M04115

### About GRAP2

GRAP2/GADS (Grb2-related adaptor protein 2 / 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.

### Overview

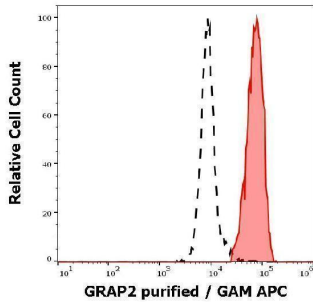
Product Name	Anti-GRAP2 Purified Monoclonal Antibody
Reactive Species	Human
Description	Boster Bio Anti-GRAP2 Purified Monoclonal Antibody (Catalog# M04115). Tested in Flow Cytometry, IP, WB application(s). This antibody reacts with Human.
Application	Flow Cytometry, IP, WB
Clonality	Monoclonal UW40
Formulation	Phosphate buffered saline (PBS), pH 7.4, 15 mM sodium azide
Storage Instructions	Store at 2-8°C. Do not freeze.
Host	Mouse
Uniprot ID	O75791

### Technical Details

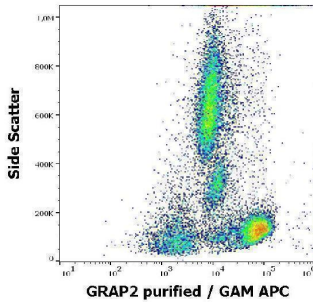
Immunogen	GST-fusion human GRAP2/GADS protein. The mouse monoclonal antibody UW40 recognizes GRAP2/GADS, a 41 kDa cytoplasmic adaptor protein that plays a pivotal role during the early events of signal transduction in T cells.
Predicted Reactive Species	Primate
Cross Reactivity	This antibody does not cross-react with Thy-1.1 alloantigen.
Isotype	Mouse IgG2a
Form	Liquid
Concentration	1 mg/ml

Purification	Purified by protein-A affinity chromatography.
Suggested Dilutions	Flow cytometry: 2-6 ug/ml. Intracellular staining.

## Anti-GRAP2 Purified Monoclonal Antibody (M04115) Images



Separation of human GRAP2 positive lymphocytes (red-filled) from neutrophil granulocytes (black-dashed) in flow cytometry analysis (intracellular staining) of peripheral whole blood stained using anti-GRAP2 (UW40) purified antibody (concentration in sample 5 µg/ml, GAM APC).



Flow cytometry intracellular staining pattern of human peripheral whole blood using anti-GRAP2 (UW40) purified antibody (concentration in sample 5 µg/ml, GAM APC).

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