

**GIMAP4 Antibody (clone 1C6)**  
**Mouse Monoclonal Antibody**  
**Catalog # ALS16412****Specification**

---

**GIMAP4 Antibody (clone 1C6) - Product Information**

Application	WB, IF
Primary Accession	<a href="#">O9NUV9</a>
Reactivity	Human
Host	Mouse
Clonality	Monoclonal
Calculated MW	38kDa KDa

**GIMAP4 Antibody (clone 1C6) - Additional Information****Gene ID** 55303**Other Names**

GTPase IMAP family member 4, Immunity-associated nucleotide 1 protein, IAN-1, hIAN1, Immunity-associated protein 4, GIMAP4, IAN1, IMAP4

**Target/Specificity**

Human GIMAP4

**Reconstitution & Storage**

Store at -20°C. Minimize freezing and thawing.

**Precautions**

GIMAP4 Antibody (clone 1C6) is for research use only and not for use in diagnostic or therapeutic procedures.

**GIMAP4 Antibody (clone 1C6) - Protein Information****Name** GIMAP4**Synonyms** IAN1, IMAP4**Function**

During thymocyte development, may play a role in the regulation of apoptosis (By similarity). GTPase which exhibits a higher affinity for GDP than for GTP.

**Cellular Location**

Cytoplasm, cytosol.

**Tissue Location**

Highly expressed in spleen and peripheral blood leukocytes that contain mostly T- and B-lymphocytes. Expressed specifically in resting T- and B-lymphocytes and expression significantly decreases during B- or T-lymphocyte activation. Expressed at lower levels in thymus, ovary, colon

and small intestine

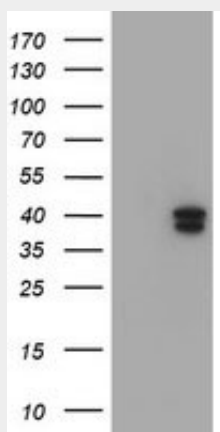
**Volume**  
50  $\mu$ l

### **GIMAP4 Antibody (clone 1C6) - Protocols**

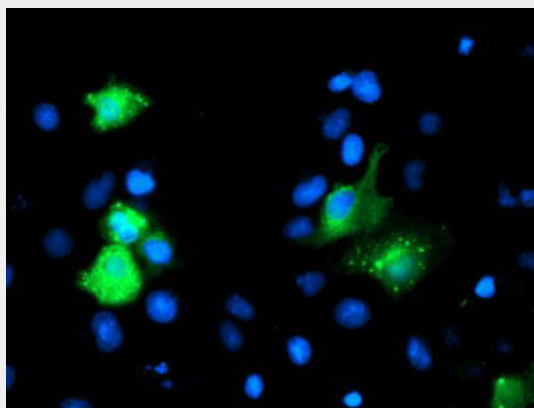
Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

### **GIMAP4 Antibody (clone 1C6) - Images**



HEK293T cells were transfected with the pCMV6-ENTRY control (Left lane) or pCMV6-ENTRY GIMAP4...



Anti-GIMAP4 mouse monoclonal antibody immunofluorescent staining of COS7 cells transiently...

### **GIMAP4 Antibody (clone 1C6) - Background**

May play a role in regulating lymphocyte apoptosis (By similarity). Exhibits intrinsic GTPase

activity. Shows a higher affinity for GDP over GTP (about 12-fold higher), and binding shows an absolute requirement for magnesium.

#### **GIMAP4 Antibody (clone 1C6) - References**

Cambot M.,et al.Blood 99:3293-3301(2002).

Liu Y.Q.,et al.Submitted (DEC-1998) to the EMBL/GenBank/DDBJ databases.

Ota T.,et al.Nat. Genet. 36:40-45(2004).

Schwefel D.,et al.Structure 21:550-559(2013).