

## Purified Anti-Mouse/Human GAL3 Antibody[M3/38]

catalog number: **AN003440P**

**Note:** Centrifuge before opening to ensure complete recovery of vial contents.

### Description

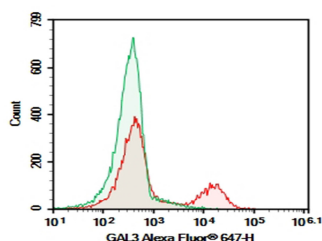
<b>Reactivity</b>	Mouse/Human
<b>Immunogen</b>	Recombinant Mouse GAL3 protein
<b>Host</b>	Rat
<b>Isotype</b>	Rat IgG2a, $\kappa$
<b>Clone</b>	M3/38
<b>Purification</b>	>98%, Protein A/G purified
<b>Buffer</b>	Phosphate-buffered solution, pH 7.2, containing 0.05% non-protein stabilizer. Dialyze to completely remove the stabilizer prior to labeling.

### Applications

### Recommended Dilution

<b>FCM</b>	2 $\mu\text{g/mL}$ ( $1 \times 10^5$ - $5 \times 10^5$ cells)
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### Data



Human peripheral blood lymphocytes were stained with 0.2  $\mu\text{g}$  Purified Anti-Mouse/Human GAL3 Antibody[M3/38] (Right) and 0.2  $\mu\text{g}$  Mouse IgG2a,  $\kappa$  Isotype Control (Left), followed by Alexa Fluor® 647-conjugated Goat Anti-Mouse IgG Secondary Antibody.

### Preparation & Storage

<b>Storage</b>	Store at 4°C valid for 12 months or -20°C valid for long term storage, avoid freeze / thaw cycles.
<b>Shipping</b>	Ice bag

### Background

Galactose-specific lectin which binds IgE. May mediate with the  $\alpha$ -3,  $\beta$ -1 integrin the stimulation by CSPG4 of endothelial cells migration. Together with DMBT1, required for terminal differentiation of columnar epithelial cells during early embryogenesis. In the nucleus: acts as a pre-mRNA splicing factor. Involved in acute inflammatory responses including neutrophil activation and adhesion, chemoattraction of monocytes macrophages, opsonization of apoptotic neutrophils, and activation of mast cells. Together with TRIM16, coordinates the recognition of membrane damage with mobilization of the core autophagy regulators ATG16L1 and BECN1 in response to damaged endomembranes.

### For Research Use Only