# Data Sheet (Cat.No.TMAZ-0247)

TargetMol

## Anti-PILRA Monoclonal Antibody

### Product Details

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|---|---|
| Ig Type: | Rabbit monoclonal IgG |
| Reactivity: | Human |
| Conjugation: | Unconjugated |
| Molecular Weight: | 150 kDa |
| Purification: | Protein A Affinity Purified |

### Applications

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|---|---|
| Verified Activity: | Flow cytometry analysis of PILRA overexpressed 314F cells with TMAZ-0247, followed by goat anti-rabbit IgG-ABflo 647 (red line). The isotype control is rabbit IgG (black line). |
| Application: | ELISA, FCM |
| Recommended | 0.1-0.2 μg/10E6 cells for FCM; 1 ng/μl for ELISA |

### Properties

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|---|---|
| Purity: | > 95% as determined by SDS-PAGE. |
| Stability & Storage: | Store at -20°C or -80°C for 12 months. Avoid repeated freeze-thaw cycles. |
| Shipping: | Shipping with blue ice. |

### Antigen Details

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|---|---|
| Immunogen: | PILRA |
| Antigen Species: | Human |
| Gene ID: | 29992 |
| Uniprot ID: | Q9UKJ1 |
| Synonyms: | Cell surface receptor FDF03;Inhibitory receptor PILR-alpha;Paired immunoglobulin-like type 2 receptor alpha |
| Biology Area: | Other Functions |

### Research Background

Paired receptors consist of highly related activating and inhibitory receptors and are widely involved in the regulation of the immune system. PILRA is thought to act as a cellular signaling inhibitory receptor by recruiting cytoplasmic phosphatases like PTPN6/SHP-1 and PTPN11/SHP-2 via their SH2 domains that block signal transduction through dephosphorylation of signaling molecules. Receptor for PIANP|(Microbial infection) Acts as an entry co-receptor for herpes simplex virus 1

**Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins**

This product is for Research Use Only· Not for Human or Veterinary or Therapeutic Use

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