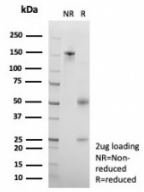
# CD95 Antibody / Fas [clone rB-R18] (V4116)

| Catalog No. | Formulation | Size |
|---|---|---|
| V4116-100UG | 0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced), 0.05% sodium azide | 100 ug |
| V4116-20UG | 0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced), 0.05% sodium azide | 20 ug |
| V4116SAF-100UG | 1 mg/ml in 1X PBS; BSA free, sodium azide free | 100 ug |

Recombinant MOUSE MONOCLONAL

**Bulk quote request**

| | |
|---|---|
| **Availability** | 1-3 business days |
| **Species Reactivity** | Human |
| **Format** | Purified |
| **Host** | Mouse |
| **Clonality** | Recombinant Mouse Monoclonal |
| **Isotype** | Mouse IgG2a, kappa |
| **Clone Name** | rB-R18 |
| **Purity** | Protein A/G affinity |
| **UniProt** | P25445 |
| **Localization** | Cell surface |
| **Applications** | Flow Cytometry : 1-2ug/million cells<br>Immunofluorescence : 1-2ug/ml |
| **Limitations** | This CD95 antibody is available for research use only. |




SDS-PAGE analysis of purified, BSA-free CD95 antibody (clone rB-R18) as confirmation of integrity and purity.

## Description

mAb rB-R18 specifically recognizes CD95, also known as Fas, a transmembrane glycoprotein with a MW of 40-45kDa,

containing 8kDa of N-glycoside-linked polysaccharide. It is a receptor for TNFSF6/FASLG, a member of the nerve growth factor receptor/tumor necrosis factor superfamily, mediating receptor-triggered apoptosis. The adapter molecule FADD recruits caspase-8 to the activated receptor. The resulting death-inducing signaling complex (DISC) performs caspase-8 proteolytic activation, which initiates the subsequent cascade of caspases (aspartate-specific cysteine proteases) mediating apoptosis. FAS-mediated apoptosis may have a role in the induction of peripheral tolerance, in the antigen-stimulated suicide of mature T-cells, or both. The secreted isoforms 2 to 6 block apoptosis (in vitro). CD95 antigen is expressed on the surface of various cell types, preferentially on the CD45RAlow CD45ROhigh subset of memory T lymphocytes.

## Application Notes

Optimal dilution of the CD95 antibody should be determined by the researcher.

## Immunogen

Recombinant human CD95 protein was used as the immunogen for the CD95 antibody.

## Storage

Aliquot the CD95 antibody and store frozen at -20oC or colder. Avoid repeated freeze-thaw cycles.