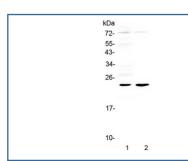


II6 Antibody (R32997)

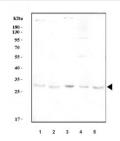
| Catalog No. | Formulation | Size |
|-------------|---|--------|
| R32997 | 0.5mg/ml if reconstituted with 0.2ml sterile DI water | 100 ug |

Bulk quote request

| Availability | 1-3 business days |
|--------------------|---|
| Species Reactivity | Mouse, Rat |
| Format | Antigen affinity purified |
| Clonality | Polyclonal (rabbit origin) |
| Isotype | Rabbit IgG |
| Purity | Antigen affinity purified |
| Buffer | Lyophilized from 1X PBS with 2% Trehalose and 0.025% sodium azide |
| UniProt | P20607 |
| Applications | Western Blot : 0.5-1ug/ml |
| Limitations | This II6 antibody is available for research use only. |



Western blot testing of 1) rat heart and 2) mouse heart tissue lysate with II6 antibody at 0.5 ug/ml. Predicted molecular weight ~24 kDa but may be observed at higher molecular weights due to glycosylation.



Western blot testing of 1) rat spleen, 2) mouse spleen, 3) mouse ANA-1, 4) mouse RAW264.7 and 5) mouse EL-4 cell lysate lysate with II6 antibody at 0.5ug/ml. Predicted molecular weight ~24 kDa but may be observed at higher molecular weights due to glycosylation.

Interleukin-6 (IL-6) is a protein that in humans is encoded by the IL6 gene. IL-6 is an interleukin that acts as both a proinflammatory and anti-inflammatory cytokine. It is secreted by T cells and macrophages to stimulate immune response to trauma, especially burns or other tissue damage leading to inflammation. IL-6 is one of the most important mediators of fever and of the acute phase response. IL-6 is also essential for hybridoma growth and is found in many supplemental cloning media such as briclone. By in situ hybridization and Southern blot analysis of mouse-human hybrid cell lines, the IL6 gene is mapped to chromosome 7p15.

Application Notes

Optimal dilution of the II6 antibody should be determined by the researcher.

Immunogen

Amino acids KTIQLILKALEEFLKVTMRSTRQT from the rat protein were used as the immunogen for the II6 antibody.

Storage

After reconstitution, the II6 antibody can be stored for up to one month at 4oC. For long-term, aliquot and store at -20oC. Avoid repeated freezing and thawing.