

Rabbit Anti-human Interleukin 2 (IL-2)

Monoclonal Antibody, clone 2H5

Catalog Number: R17003M2H5

General Information

Immunogen	Full length recombinant human IL-2 protein
IgG type	Rabbit IgG
Clonality	Monoclonal
Applications	ELISA (paired with R17003M8G8)
Specificity	Human IL-2
Formulation	0.22 μ M filtered solution of PBS, pH 7.4
Purity	> 95% determined by SDS-PAGE
Storage	≤ -20 °C for 1 year or 4 °C for 1 months

Abbreviations:

ELISA: Enzyme-linked immunosorbent assay; ITA: immunoturbidimetric assay; IP: immunoprecipitation; IHC: immuno-histochemistry; IF: immunofluorescence. WB: western blot;

Storage

This antibody is shipped at 4 °C. This product is stable for 12 months from date of receipt when stored at -20 °C to -70 °C. Avoid freeze/thaw cycles.

Hazard/Biohazard

This antibody contains 0.09% sodium azide as preservative. Please handle and dispose the product properly. No known biohazard is associated with this product.

Background

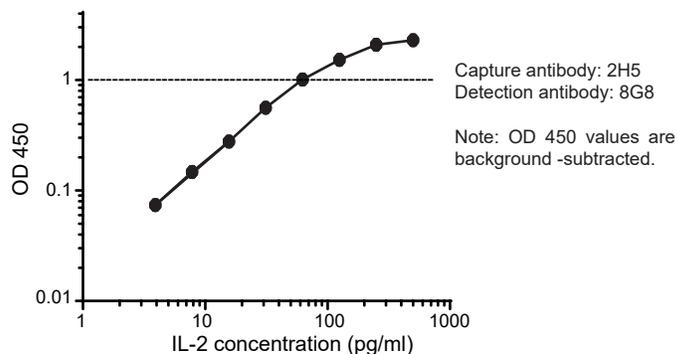
Interleukin 2 (IL-2) is an essential cytokine for the immune system to maintain its key functions in immunity and immune tolerance in response to antigenic and mitogenic stimuli. IL-2 precursor is a 153 amino acid protein which matures into a 133 amino acid. When binds to IL-2 receptors, IL-2 could regulate T cell function by promoting differentiation of immature T cells to regulatory T cells, effector T cells, memory T cells. IL-2 can also regulate the proliferation and differentiation of B cells. IL-2 has been associated with ulcerative colitis-like disease, Capillary Leak Syndrome, and renal carcinoma cancer.

Preparation

Monoclonal antibody is produced by immunizing rabbit with full length human IL-2 and purified using protein A resin.

Application

Sandwich ELISA



Research Use or Manufacturing Only