

Mouse Anti-IL-6 [MD236]: MC0472, MC0472RTU7

Intended Use: For Research Use Only

Description: IL-6 is a potent lymphoid cell growth factor that stimulates the growth and survivability of certain B-cells and T-cells. It plays a critical role in B-cell differentiation to plasma cells and is a potent growth factor for plasmacytoma and myeloma. IL-6 is produced by a variety of cell types, including monocytes, fibroblasts and endothelial cells. Upon stimulation, macrophages, T, B, mast, and glial cells, eosinophils, keratinocytes and granulocytes also secrete IL-6. It is involved in host defense, acute phase reactions, immune responses, and hematopoiesis.

Specifications:

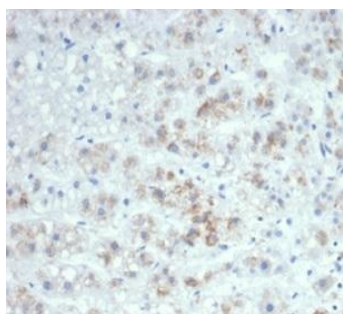
Clone:	MD236
Source:	Mouse
Isotype:	IgG1k
Reactivity:	Human
Immunogen:	Recombinant fragment of human IL-6 protein aa1-200
Localization:	Cytoplasmic, extracellular (secreted)
Formulation:	Purified antibody in PBS buffer pH7.4, containing BSA and $\leq 0.09\%$ sodium azide (NaN ₃)
Storage:	Store at 2°- 8°C
Applications:	IHC
Package:	

Description	Catalog No.	Size
IL-6 [MD236] Concentrated	MC0472	1 ml
IL-6 [MD236] Prediluted	MC0472RTU7	7 ml

IHC Procedure*:

Positive Control Tissue:	Heart
Concentrated Dilution:	50-200
Pretreatment:	Tris-EDTA pH9.0, 15 minutes Pressure Cooker or 30-60 minutes water bath at 95°-99°C
Incubation Time and Temp:	30-60 minutes @ RT
Detection:	Refer to the detection system manual

* Result should be confirmed by an established diagnostic procedure.



FFPE human adrenal gland stained with anti-IL-6 using DAB

References:

1. Increased toll-like receptors and p53 levels regulate apoptosis and angiogenesis in non-muscle invasive bladder cancer: mechanism of action of P-MAPA biological response modifier. Garcia PV, et al. Cancer 16:422, 2016.
2. Mesenchymal Stem Cells are Recruited and Activated into Carcinoma-Associated Fibroblasts by Prostate Cancer Microenvironment-Derived TGF- β 1. Souza P, et al. Stem Cells 34:2536-2547, 2016.
3. Sex-specific IL-6-associated signaling activation in ozone-induced lung inflammation. Mishra V, et al. Biol Sex Differ 7:16, 2016.