

**Mouse Anti-CD134/OX40/TNFRSF4 [MD102]: MC0405, MC0405RTU7**

**Intended Use:** For Research Use Only

**Description:** CD134 or OX40, a protein of 43kDa, is a type I integral membrane glycoprotein and member of the tumor necrosis factor/nerve growth factor receptor (TNFR/NGFR) family. It is expressed on activated T lymphocytes, hematopoietic precursor cells and fibroblasts. It functions as a T cell co-stimulatory receptor when bound by OX40 Ligand/TNFSF4 that is expressed by antigen presenting cells. OX40 thereby plays roles in T-cell activation as well as the regulation of differentiation, proliferation or apoptosis of normal and malignant lymphoid cells. OX40 is upregulated at the sites of inflammation, especially in case of multiple sclerosis and psoriatic lesions.

**Specifications:**

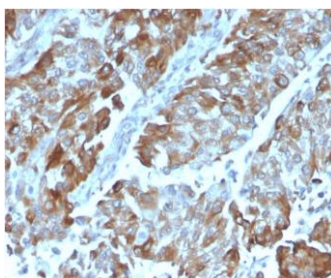
Clone: MD102  
 Source: Mouse  
 Isotype: IgG2c/k  
 Reactivity: Human, Chimpanzee  
 Immunogen: Recombinant fragment of human CD134 protein aa 59-205  
 Localization: Membrane  
 Formulation: Antibody in PBS pH7.4, containing BSA and  $\leq 0.09\%$  sodium azide (NaN<sub>3</sub>)  
 Storage: Store at 2°- 8°C  
 Applications: IHC, ELISA, Flow Cyt., ICC/IF  
 Package:

Description	Catalog No.	Size
CD134/OX40/TNFRSF4 Concentrated	MC0405	1 ml
CD134/OX40/TNFRSF4 Prediluted	MC0405RTU7	7 ml

**IHC Procedure\*:**

Positive Control Tissue: Tonsil  
 Concentrated Dilution: 50-200  
 Pretreatment: Tris EDTA pH9.0, 15 minutes using Pressure Cooker, or 30-60 minutes using 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 renal cell carcinoma stained with anti-CD134 using DAB

**References:**

1. IL-6 trans-signaling system in intra-amniotic inflammation, preterm birth, and preterm premature rupture of the membranes. Lee, SY. et al. J. Immunol.. 186: 3226-3236, 2011.
2. A case of granulocyte-colony stimulating factor-producing hepatocellular carcinoma confirmed by immunohistochemistry. Joshita, S. et al. J. Korean Med. Sci.. 25: 476-480, 2010.
3. Porphyromonas gingivalis fimbriae-dependent interleukin-6 autocrine regulation by increase of gp130 in endothelial cells. Ho, YS. et al. J. Periodont. Res.. 44: 550-6, 2009.

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