

**Mouse Anti-CD262/DR5 [MD114]: MC0414, MC0414RTU7**

**Intended Use:** For Research Use Only

**Description:** Tumor necrosis factor (TNF) is a pleiotropic cytokine whose function is mediated by two distinct cell surface receptors, designated TNF-R1 and TNF-R2, which are expressed on most cell types. TNF function is primarily mediated through TNF-R1 signaling. Both receptors belong to the growing TNF receptor superfamily which includes Fas antigen and CD40. TNF-R1 contains a cytoplasmic motif, termed the death domain, that has been found to be necessary for the transduction of the apoptotic signal. The death domain is also found in several other receptors, including Fas, DR2 (or TRUNDD), DR3 (death receptor 3), DR4 and DR5. TRUNDD, DR4 and DR5 are receptors for the apoptosis-inducing cytokine TRAIL. A non-death domain-containing receptor, designated decoy receptor (DcR1 or TRID), also specifically associates with TRAIL and may play a role in cellular resistance to apoptotic stimuli.

**Specifications:**

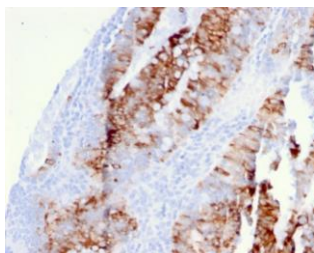
Clone: MD114  
 Source: Mouse  
 Isotype: IgG1k  
 Reactivity: Human  
 Immunogen: Recombinant human DR5 protein fragment aa266-393  
 Localization: Membrane  
 Formulation: Antibody in PBS pH7.4, containing BSA, and ≤ 0.09% sodium azide (NaN<sub>3</sub>).  
 Storage: Store at 2°- 8°C  
 Applications: IHC  
 Package:

Description	Catalog No.	Size
CD262/DR5 Concentrated	MC0414	1 ml
CD262/DR5 Prediluted	MC0414RTU7	7 ml

**IHC Procedure\*:**

Positive Control Tissue: Colon cancer, endometrial tissue  
 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 colon carcinoma stained with anti-CD268 using DAB

**References:**

1. Oridonin induces apoptosis in oral squamous cell carcinoma probably through the generation of reactive oxygen species and the p38/JNK MAPK pathway. Ha-Na Oh, et al. Int J Oncol. May;52(5):1749-1759, 2018.
2. Subtype-Specific Radiation Response and Therapeutic Effect of FAS Death Receptor Modulation in Human Breast Cancer. Chen-Ting Lee, et al., Radiat Res. Aug;188(2):169-180, 2017.
3. α-Hispanolol sensitizes hepatocellular carcinoma cells to TRAIL-induced apoptosis via death receptor up-regulation. Alba Mota, et al., Toxicol Appl Pharmacol. Aug 1;286(3):168-77, 2015.

Doc. 100-MC0414  
Rev. A