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Datasheet for ABIN7193233

anti-CD53 antibody

7 Images

Overview

| | |
|--------------|---|
| Quantity: | 0.1 mg |
| Target: | CD53 |
| Reactivity: | Human |
| Host: | Mouse |
| Clonality: | Monoclonal |
| Conjugate: | This CD53 antibody is un-conjugated |
| Application: | Flow Cytometry (FACS), Western Blotting (WB), Immunohistochemistry (IHC), ELISA, Immunocytochemistry (ICC), Neutralization (Neut) |

Product Details

| | |
|---------------|---|
| Immunogen: | Purified recombinant fragment of human CD53 (AA: extra mix) expressed in E. coli. |
| Clone: | 7A8D3 |
| Isotype: | IgG2a |
| Purification: | purified |

Target Details

| | |
|-------------------|--|
| Target: | CD53 |
| Alternative Name: | CD53 (CD53 Products) |
| Background: | Description: The protein encoded by this gene is a member of the transmembrane 4 superfamily, also known as the tetraspanin family. Most of these members are cell-surface proteins that are characterized by the presence of four hydrophobic domains. The proteins |

Target Details

mediate signal transduction events that play a role in the regulation of cell development, activation, growth and motility. This encoded protein is a cell surface glycoprotein that is known to complex with integrins. It contributes to the transduction of CD2-generated signals in T cells and natural killer cells and has been suggested to play a role in growth regulation. Familial deficiency of this gene has been linked to an immunodeficiency associated with recurrent infectious diseases caused by bacteria, fungi and viruses. Alternative splicing results in multiple transcript variants.

Aliases: MOX44, TSPAN25

Molecular Weight: 24.3 kDa

Gene ID: 963

Application Details

Application Notes: ELISA: 1:10000, WB: 1:500 - 1:2000, FCM: 1:200 - 1:400, ICC: N/A, IHC: 1:200 - 1:1000

Restrictions: For Research Use only

Handling

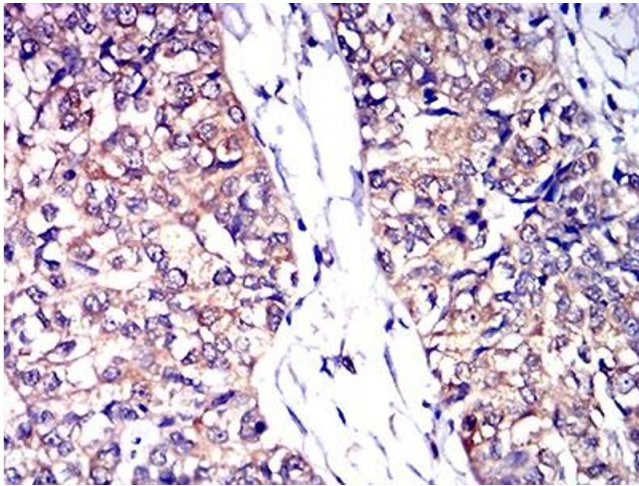
Buffer: Purified antibody in PBS with 0.05 % sodium azide

Preservative: Sodium azide

Precaution of Use: This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

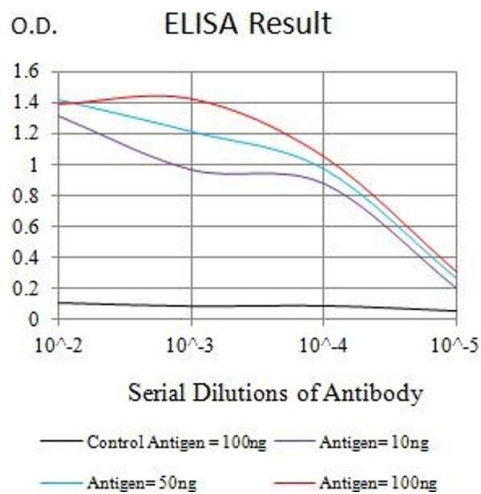
Storage: 4 °C/-20 °C

Storage Comment: 4°C, -20°C for long term storage



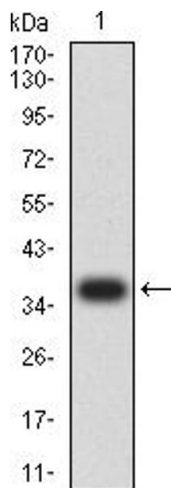
Immunohistochemistry

Image 1. Immunohistochemical analysis of paraffin-embedded bladder cancer tissues using CD53 mouse mAb with DAB staining.



ELISA

Image 2. Black line: Control Antigen (100 ng), Purple line: Antigen (10 ng), Blue line: Antigen (50 ng), Red line: Antigen (100 ng)



Western Blotting

Image 3. Western blot analysis using CD53 mAb against human CD53 (AA: extra mix) recombinant protein. (Expected MW is 37 kDa)

Please check the [product details page](#) for more images. Overall 7 images are available for ABIN7193233.