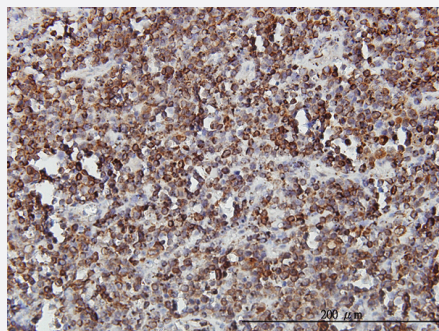


# SLC44A2 monoclonal antibody (M01), clone 3D11

Catalog # H00057153-M01

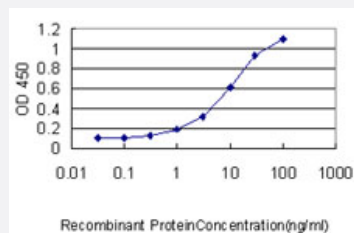
Size 100 ug

## Applications



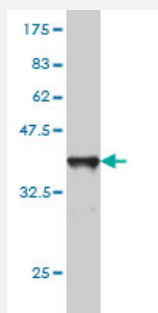
### Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)

Immunoperoxidase of monoclonal antibody to SLC44A2 on formalin-fixed paraffin-embedded human lymphoma. [antibody concentration 3 ug/ml]



### Sandwich ELISA (Recombinant protein)

Detection limit for recombinant GST tagged SLC44A2 is approximately 0.3ng/ml as a capture antibody.



Western Blot detection against Immunogen (37.62 KDa) .

## Specification

### Product Description

Mouse monoclonal antibody raised against a partial recombinant SLC44A2.

|                         |                                                                                                                     |
|-------------------------|---------------------------------------------------------------------------------------------------------------------|
| Immunogen               | SLC44A2 (AAH40556, 123 a.a. ~ 230 a.a) partial recombinant protein with GST tag. MW of the GST tag alone is 26 KDa. |
| Sequence                | YLNARSSRDFEYYKQFCVPGFKNNKGVAEVL RDGDCPAVLIPSKPLARRCFPAIHAYKGVLMVGN<br>ETTYEDGHGSRKNITDLVEGAKKANGVLEARQLAMRIFEDYTV   |
| Host                    | Mouse                                                                                                               |
| Reactivity              | Human                                                                                                               |
| Isotype                 | IgG1 Kappa                                                                                                          |
| Quality Control Testing | Antibody Reactive Against Recombinant Protein.<br>Western Blot detection against Immunogen (37.62 KDa) .            |
| Storage Buffer          | In 1x PBS, pH 7.4                                                                                                   |
| Storage Instruction     | Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.                                            |

## Applications

- Western Blot (Recombinant protein)

[Protocol Download](#)

- Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)

Immunoperoxidase of monoclonal antibody to SLC44A2 on formalin-fixed paraffin-embedded human lymphoma. [antibody concentration 3 ug/ml]

[Protocol Download](#)

- Sandwich ELISA (Recombinant protein)

Detection limit for recombinant GST tagged SLC44A2 is approximately 0.3ng/ml as a capture antibody.

[Protocol Download](#)

- ELISA

## Gene Info — SLC44A2

Entrez GeneID [57153](#)

GeneBank Accession# [BC040556](#)

|                    |                                      |
|--------------------|--------------------------------------|
| Protein Accession# | <a href="#">AAH40556</a>             |
| Gene Name          | SLC44A2                              |
| Gene Alias         | CTL2, DKFZp666A071, FLJ44586, PP1292 |
| Gene Description   | solute carrier family 44, member 2   |
| Omim ID            | <a href="#">606106</a>               |
| Gene Ontology      | <a href="#">Hyperlink</a>            |
| Gene Summary       | O                                    |
| Other Designations | -                                    |

## Publication Reference

- [Identification and functional analysis of choline transporter in tongue cancer: A novel molecular target for tongue cancer therapy.](#)

Nishiyama R, Nagashima F, Iwao B, Kawai Y, Inoue K, Midori A, Yamanaka T, Uchino H, Inazu M.  
Journal of Pharmacological Sciences 2016 Jun; 131(2):101.

Application: IF, WB-Ce, Human, HSC-3 cells
- [Functional expression of choline transporter like-protein 1 \(CTL1\) and CTL2 in human brain microvascular endothelial cells.](#)

Iwao B, Yara M, Hara N, Kawai Y, Yamanaka T, Nishihara H, Inoue T, Inazu M.  
Neurochemistry International 2016 Feb; 93:40.

Application: IF, IHC, WB-Ce, Human, hBMECs cells, brain
- [Functional analysis of \[methyl-3H\]choline uptake in glioblastoma cells: influence of anti-cancer and central nervous system drugs.](#)

Taguchi C, Inazu M, Saiki I, Yara M, Hara N, Yamanaka T, Uchino H.  
Biochemical Pharmacology 2014 Apr; 88(3):303.

Application: WB-Ce, Human, A-172, U-251MG cells
- [Anti-human neutrophil antigen-3a induced transfusion-related acute lung injury in mice by direct disturbance of lung endothelial cells.](#)

Bayat B, Tjahjono Y, Sydykov A, Werth S, Hippenstiel S, Weissmann N, Sachs UJ, Santoso S.  
Arteriosclerosis, Thrombosis, and Vascular Biology 2013 Nov; 33(11):2538.

- [Molecular and functional characterization of choline transporter in rat renal tubule epithelial NRK-52E cells.](#)

Yabuki M, Inazu M, Yamada T, Tajima H, Matsumiya T.

Archives of Biochemistry and Biophysics 2009 May; 485(1):88.

Application: IF, WB-Ce, Human, NRK-52E cells