

HPRT1 Monoclonal Antibody

Description

Product type	Antibody
Code	BT-MCA2530
Host	Mouse
Isotype	Mouse IgG1
Size	100 μ L, 50 μ L
Immunogen	Purified recombinant fragment of human HPRT1 (AA: FULL(1-218)) expressed in E. Coli.
Mol wt	24.6kDa
Species reactivity	Human
Clonality	Monoclonal
Recommended application	WB,IHC,FCM
Concentration	N/A
Full name	N/A
Synonyms	HPRT;HGPRT

This product is for research use only, not for use in human, therapeutic or diagnostic procedure.

Background

The protein encoded by this gene is a transferase, which catalyzes conversion of hypoxanthine to inosine monophosphate and guanine to guanosine monophosphate via transfer of the 5-phosphoribosyl group from 5-phosphoribosyl 1-pyrophosphate. This enzyme plays a central role in the generation of purine nucleotides through the purine salvage pathway. Mutations in this gene result in Lesch-Nyhan syndrome or gout.

Recommended Dilution

WB: 1:500 - 1:2000

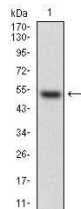
IHC-p: 1:200 - 1:1000

FCM: 1:200 - 1:400

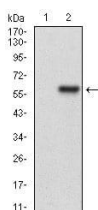
ELISA: 1:10000

Not yet tested in other applications.

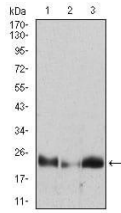
Images



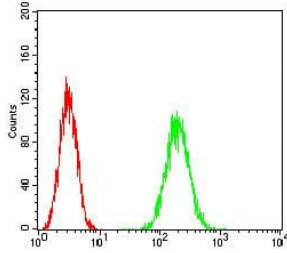
Western blot analysis using HPRT1 mAb against human HPRT1 (AA: FULL(1-218)) recombinant protein. (Expected MW is 50.5 kDa)



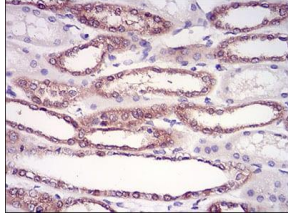
Western blot analysis using HPRT1 mAb against HEK293 (1) and HPRT1 (AA: FULL(1-218))-hIgGfc transfected HEK293 (2) cell lysate.



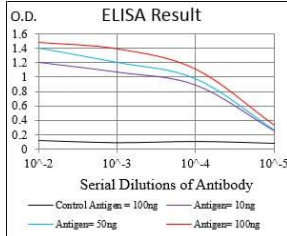
Western blot analysis using HPRT1 mouse mAb against HeLa (1), A431 (2), A549 (3) cell lysate.



Flow cytometric analysis of HeLa cells using HPRT1 mouse mAb (green) and negative control (red).



Immunohistochemical analysis of paraffin-embedded kidney tissues using HPRT1 mouse mAb with DAB staining.



Black line: Control Antigen (100 ng); Purple line: Antigen(10ng); Blue line: Antigen (50 ng); Red line: Antigen (100 ng);

Storage

Store at 4°C short term. Aliquot and store at -20°C long term.

501 Changsheng S Rd, Nanhu Dist, Jiaxing, Zhejiang, China

Tel: 86 21 31007137 | E-mail: save@bt-laboratory.com | www.bt-laboratory.com