



SZABO SCANDIC

Part of Europa Biosite

Produktinformation



Forschungsprodukte & Biochemikalien



Zellkultur & Verbrauchsmaterial



Diagnostik & molekulare Diagnostik



Laborgeräte & Service

Weitere Information auf den folgenden Seiten!
See the following pages for more information!



Lieferung & Zahlungsart

siehe unsere [Liefer- und Versandbedingungen](#)

Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

SZABO-SCANDIC HandelsgmbH

Quellenstraße 110, A-1100 Wien

T. +43(0)1 489 3961-0

F. +43(0)1 489 3961-7

mail@szabo-scandic.com

www.szabo-scandic.com

[linkedin.com/company/szaboscandic](https://www.linkedin.com/company/szaboscandic)

NT5E monoclonal antibody (M02), clone 4D3-2C10

Catalog # : H00004907-M02

規格 : [100 ug]

[List All](#)

Specification

Product Description: Mouse monoclonal antibody raised against a full-length recombinant NT5E.

Immunogen: NT5E (AAH15940.1, 28 a.a. ~ 264 a.a) full-length recombinant protein with GST tag. MW of the GST tag alone is 26 KDa.

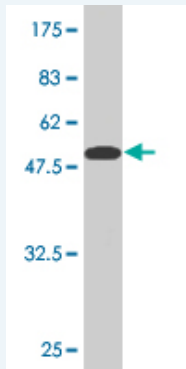
Sequence: ELTILHTNDVHSRLEQTSSESSKCVNASRCMGGVARLFTKVQQIRRAEP
NLLLLDAGDQYQGTWFTVYKGAEVAHF MNALRYDAMALGNHEFDNGV
EGLIEPLLKEAKFPILSANIKAKGPLASQISGLYLPYKVLVPGDEVVGVGYT
SKETPFLSNPGTNLVFEDEITALQPEVDKLTNLVNVNKIALGHSGSEMDKLI
AQKVRGVDVVGGHSNTFLYTGNCFKRIAWARMSR

Host: Mouse

Reactivity: Human

Isotype: IgG1 Kappa

Quality Control Testing: Antibody Reactive Against Recombinant Protein.



Western Blot detection against Immunogen (51.81 KDa) .

Storage Buffer: In 1x PBS, pH 7.4

Storage Instruction: Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

MSDS: [Download](#)

Datasheet: [Download](#)

Applications

Western Blot (Recombinant protein)

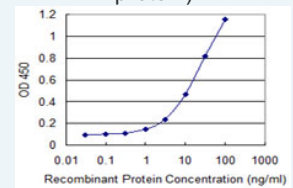
[Protocol Download](#)

Sandwich ELISA (Recombinant protein)

Application Image

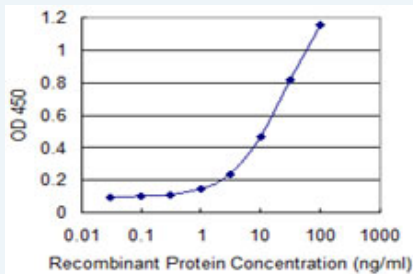
Western Blot (Recombinant protein)

Sandwich ELISA (Recombinant protein)



[enlarge](#)

ELISA



Detection limit for recombinant GST tagged NT5E is 0.3 ng/ml as a capture antibody.

 [Protocol Download](#)

ELISA

Gene Information

Entrez GeneID: [4907](#)

GeneBank [BC015940](#)

Accession#:

Protein [AAH15940.1](#)

Accession#:

Gene Name: NT5E

Gene Alias: CD73,E5NT,NT,NT5,NTE,eN,eNT

Gene Description: 5'-nucleotidase, ecto (CD73)

Description:

Omim ID: [129190](#)

Gene Ontology: [Hyperlink](#)

Gene Summary: Ecto-5-prime-nucleotidase (5-prime-ribonucleotide phosphohydrolase; EC 3.1.3.5) catalyzes the conversion at neutral pH of purine 5-prime mononucleotides to nucleosides, the preferred substrate being AMP. The enzyme consists of a dimer of 2 identical 70-kD subunits bound by a glycosyl phosphatidyl inositol linkage to the external face of the plasma membrane. The enzyme is used as a marker of lymphocyte differentiation. Consequently, a deficiency of NT5 occurs in a variety of immunodeficiency diseases (e.g., see MIM 102700, MIM 300300). Other forms of 5-prime nucleotidase exist in the cytoplasm and lysosomes and can be distinguished from ecto-NT5 by their substrate affinities, requirement for divalent magnesium ion, activation by ATP, and inhibition by inorganic phosphate.[supplied by OMIM

Other Designations: 5' nucleotidase (CD73),5' nucleotidase, ecto,OTTHUMP00000016808,OTTHUMP00000040565,Purine 5-Prime-Nucleotidase,ecto-5'-nucleotidase

Gene Pathway

[Biosynthesis of alkaloids derived from histidine and purine](#) [Metabolic pathways](#)
[Nicotinate and nicotinamide metabolism](#) [Purine metabolism](#) [Pyrimidine metabolism](#)

Related Disease

[Ataxia telangiectasia](#) [Colorectal Neoplasms](#) [Depressive Disorder, Major](#) [Fatigue](#)
[Genetic Predisposition to Disease](#) [Ovarian Neoplasms](#) [Sleep Disorders](#)
[Sleep Initiation and Maintenance Disorders](#)

