For Research Use Only

DDDDK tag Monoclonal antibody (Binds to FLAG® tag epitope)

Catalog Number:66008-2-Ig 91 Publications

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Basic Information

Catalog Number:
66008-2-Ig

Size:
150ul , Concentration: 1000 μg/ml by Bradford method using BSA as the standard;

Source:
Mouse

Isotype:
IgG2b

GenBank Accession Number:

GeneID (NCBI):
8

Full Name:
Flag Tag

Purification Method:
Protein A purification

CloneNo.:
1E7B4

Applications

Tested Applications:
ELISA

Cited Applications:
WB, IF, IP, CoIP

Species Specificity:
recombinant protein

Cited Species:
human

Background Information

DDDDK tag, also known as DDK tag, is a hydrophilic tag for recombinant protein technology with the sequence DYKDDDDK. The structure of DDDDK tag has been optimized for compatibility with the proteins it is attached to and unlikely to denature or inactivated them. For its high hydrophilic nature, theDDDDK tag is likely to be located on the surface of a fusion protein, which enables the tag more likely to be accessible to antibodies. This product is generated against 1xFlag tag (DYKDDDDK) and can recognize protein containing one or more DDDDK tags, no matter it is/they are located at N-terminal, C-terminal or at internal regions. The binding of this product with DDDDK tagged fusion protein does not depend on calcium ion. The clone of this monoclonal antibody hybridoma is 1E7B4, which is different from any other vendors. This DDDDK-tag antibody can be used to detect the DDDDK tagged protein with pCMV-DDDDK, p3XFLAG-CMV, pcDNA3.1-DDDDK, pef-NEO-DDDDK, DDDDK-RIG-I, pLenti6-3XDDDDK and some other vectors.

Notable Publications

Author	Pubmed ID	Journal	Application
Shun Chen	28969942	Cytokine	WB
Xu Zhang	36212422	Front Oncol	WB
Song Liu	32908127	Nat Commun	CoIP,WB

Storage

Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol, pH7.3
Aliquoting is unnecessary for -20°C storage

*** 20ul sizes contain 0.1% BSA

For technical support and original validation data for this product please contact:
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Selected Validation Data