

Product datasheet for PH324758

CD11d (ITGAD) (NM_005353) Human Mass Spec Standard

Product data:

Product Type:	Mass Spec Standards
Description:	ITGAD MS Standard C13 and N15-labeled recombinant protein (NP_005344)
Species:	Human
Expression Host:	HEK293
Expression cDNA Clone or AA Sequence:	RC224758
Predicted MW:	126.76 kDa
Protein Sequence:	>RC224758 representing NM_005353 Red=Cloning site Green=Tags(s)

MTFGTVLLLSVLASYHGFNLDVEEPTIFQEDAGGFQSSVVQFGGSRLVVGAPLEVVAANQTGRLYDCAAA
TGMCQPIPLHIRPEAVNMSLGLTAASTNGSRLLACGPTLHRVCGENSYSKGSCLLLGSRWEIIQTVPDA
TPECPHQEMDIVFLIDGSGSIDQDNFNQMGFVQAVMQQFEGTDTL FALMQYSNLLKIHFTFTQFRTSPS
QQSLVDPVIVQLKGLTFTATGILTVVTQLFHHKNGARKSAKKILIVITDGQKYKDPLEYSVIPQAEKAGI
IRYAIIGVGHAFQGPTARQELNTISSAPPQDHVFKVDNFAALGSIQKQLQEKIYAVEGTQSRASSSFQHEM
SQEGFSTAL TMDGLFLGAVGSFSWSGGAFLYPPNMSPTFINMSQENVDMRDSYLGSTELALWKGVQNLV
LGAPRYQHTGKAVIFTQVSRQWRKKA EVTGTQIGSYFGASLCSVDVSDGSDTLILIGAPHYYEQTRGGQ
VSVCP LPRGRVQWCDAVLRGEQHPWGRFGAALTVLGDVNEKLDVAIGAPGEQENRGAVYLFHGASE
SGISPSHSQRIASSQLSPRLQYFGQALSGGQDLTQDGLMDLAVGARGVLLLLRSLPVKVGAVMRFSPVE
YAKAVYRCWEEKPSALEAGDATVCLTIQKSSLDQLGDIQSSVRFDLALDPGRLTSRAIFNETKNPTLTRR
KTLGLGIHCETLKL LLDPCVEDVVSPIILHLNFSLVREPIPSQNLRPVLAVGSQDLFTASLPFEKNCGQ
DGLCEGDLGVTLFSGLQTLTVGSSLELNVIVTVWNAGEDSYGTVVSLYYPAGLSHRRVSGAQKQPHQSA
LRLACETVPTEDGLRSSRCSVNHPHFHEGSNGTFIVTFDVSYKATLGDRMLMRASSENKASSSKAT
FQLELPVKYAVYTMISRQEESTKYFNFATSDEKKMKEAEHRYRVNLSQRDLAISINFWVPVLLNGVAVW
DVVMEAPSQSLPCVSRKPPQHSDFLTQISRSPMLDCSIADCLQFRCDVPSFSVQEELDFTLKGNLSFGW
VRET LQKKVLVVSVAEITFDTSVYSQLPGQEA FMRAQMEMVLEDEEVYNAIPIIMGSSVGALLLALITA
TLYKLGFFKRHYKEMLEDKPEDTATFSGDDFSCVAPNVPLS

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

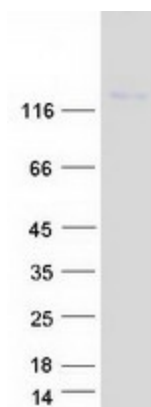
Tag:	C-Myc/DDK
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Labeling Method:	Labeled with [U- ¹³ C ₆ , ¹⁵ N ₄]-L-Arginine and [U- ¹³ C ₆ , ¹⁵ N ₂]-L-Lysine
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3



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Storage:	Store at -80°C. Avoid repeated freeze-thaw cycles.
Stability:	Stable for 3 months from receipt of products under proper storage and handling conditions.
RefSeq:	NP_005344
RefSeq Size:	3912
RefSeq ORF:	3483
Synonyms:	ADB2; CD11D
Locus ID:	3681
UniProt ID:	Q13349 , Q59H14
Cytogenetics:	16p11.2
Summary:	This gene belongs to the beta-2 integrin family of membrane glycoproteins, which are composed of non-covalently linked alpha and beta subunits to form a heterodimer. It encodes the alpha subunit of the cell surface heterodimers and is involved in the activation and adhesion functions of leukocytes. The gene is located about 11kb downstream of the integrin subunit alpha X gene, another member of the integrin family. It is expressed in the tissue and circulating myeloid leukocytes. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Dec 2015]
Protein Families:	Druggable Genome, Transmembrane
Protein Pathways:	Regulation of actin cytoskeleton

Product images:



Coomassie blue staining of purified ITGAD protein (Cat# [TP324758]). The protein was produced from HEK293T cells transfected with ITGAD cDNA clone (Cat# [RC224758]) using MegaTran 2.0 (Cat# [TT210002]).