Product Datasheet

Indoleamine 2,3-dioxygenase/IDO Overexpression Lysate NBL1-11988

Unit Size: 0.1 mg

Store at -80C. Avoid freeze-thaw cycles.

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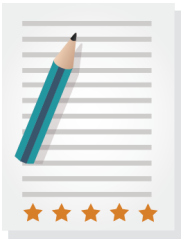


NBL1-11988

Indoleamine 2,3-dioxygenase/IDO Overexpression Lysate

Product Information	
Unit Size	0.1 mg
Concentration	The exact concentration of the protein of interest cannot be determined for overexpression lysates. Please contact technical support for more information.
Storage	Store at -80C. Avoid freeze-thaw cycles.
Buffer	RIPA buffer
Target Molecular Weight	45.1 kDa

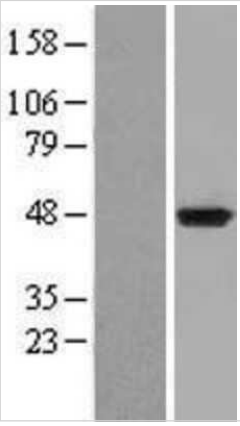
Product Description	
Description	**Indoleamine 2,3-dioxygenase/IDO Transient Overexpression Lysate** Expression Host: HEK293T Plasmid: RC206592 Accession#: NM_002164 Protein Tag: C-MYC/DDK You will receive 1 vial of lysate (100ug), 1 vial of empty vector negative control (100ug), and 1 vial of 2xSDS sample buffer (250ul). Each vial of cell lysate contains 100ug of total protein (at 1 mg/ml). The 2xSDS Sample Buffer consists of 4% SDS, 125mM Tris-HCl pH6.8, 10% Glycerol, 0.002% Bromophenol blue, 100mM DTT.
Gene ID	3620
Gene Symbol	IDO1
Species	Human
Notes	HEK293T cells in 10-cm dishes were transiently transfected with a non-lipid polymer transfection reagent specially designed and manufactured for large volume DNA transfection. Transfected cells were cultured for 48hrs before collection. The cells were lysed in modified RIPA buffer (25mM Tris-HCl pH7.6, 150mM NaCl, 1% NP-40, 1mM EDTA, 1xProteinase inhibitor cocktail mix, 1mM PMSF and 1mM Na3VO4, and then centrifuged to clarify the lysate. Protein concentration was measured by BCA protein assay kit.
Lysate Type	Overexpression

Product Application Details	
Applications	Western Blot
Recommended Dilutions	Western Blot

Application Notes	This product is intended for use as a positive control in Western Blot. Overexpression of the target protein was confirmed using an antibody to DDK (FLAG) epitope tag (NBP1-71705) present on the protein construct. Each vial of cell lysate contains 100ug of total protein which should be sufficient for 20-50 reactions. Depending on over-expression level, antibody affinity and detection system, some lysates can go as low as 0.1 ug per load. We recommend starting with 5ug of cell lysate. Add an equal amount of cell lysate and 2X SDS Sample buffer and boil the SDS samples for 10 minutes before loading.

Images

Western Blot: IDO1 Overexpression Lysate (Adult Normal) [NBL1-11988]
Left-Empty vector transfected control cell lysate (HEK293 cell lysate);
Right -Over-expression Lysate for IDO1.



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Limitations
This product is for research use only and is not approved for use in humans or in clinical diagnosis. Lysates are guaranteed for 6 months from date of receipt.

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