

Product datasheet for **AM05642PU-S**

Hsp40 (DNAJB1) (1-340) Mouse Monoclonal Antibody [Clone ID: k1C7]

Product data:

Product Type:	Primary Antibodies
Clone Name:	k1C7
Applications:	ELISA, FC, WB
Recommended Dilution:	ELISA. Western blot: 1/1000 - 1/2000. Flow cytometry.
Reactivity:	Human
Host:	Mouse
Clonality:	Monoclonal
Immunogen:	Recombinant human HSP40 (1-340 aa) purified from E.coli
Specificity:	The antibody recognizes human heat shock protein 40 (HSP40) at aa 1-340. Other species not tested.
Formulation:	PBS, pH 7.4 containing 0.02% Sodium Azide and 10% Glycerol State: Purified State: Liquid purified Ig fraction
Concentration:	lot specific
Purification:	Protein-G affinity chromatography
Conjugation:	Unconjugated
Storage:	Store undiluted at 2-8°C for up to two weeks or (in aliquots) at -20°C for longer. Avoid repeated freezing and thawing.
Stability:	Shelf life: one year from despatch.
Gene Name:	Dnaj heat shock protein family (Hsp40) member B1
Database Link:	Entrez Gene 3337 Human P25685



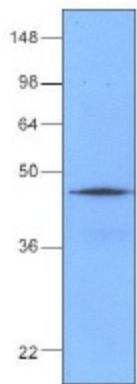
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Background:

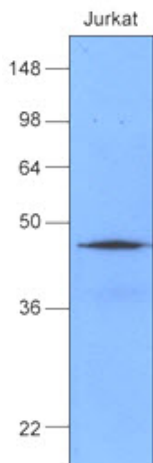
Heat shock proteins are a group of heat- or stress-inducible proteins which act as molecular chaperones. Human Hsp40 (heat shock protein with molecular size of 40kDa) is one of the mammalian homologues of bacterial DnaJ heat shock protein and regulates cellular processes by aiding in the folding, transport and assembly. Hsp40 protein contains the J-domain which controls interaction with the ATPase domain of DnaK.

Synonyms:

Heat shock 40 kDa protein 1, HSP-40, DnaJ protein homolog 1, HDJ-1, DNAJ1, HDJ1, HSPF1

Product images:

Cell lysates of Jurkat (50ug) were resolved by SDS-PAGE, transferred to NC membrane and probed with anti-human Hsp40 (1:1,000). Proteins were visualized using a goat anti-mouse secondary antibody conjugated to HRP and an ECL detection system.



Western blot analysis on Jurkat cells: Cell lysates of Jurkat (50 ug) were resolved by SDS-PAGE, transferred to NC membrane and probed with anti-human Hsp40 (1:1000). Proteins were visualized using a goat anti-mouse secondary antibody conjugated to HRP and an ECL detection system.