

Product Data Sheet

Recombinant Human MICA Protein

Catalog #	Source	Reactivity	Applications
CRP1960	Human cells	Human	E, WB, SDS-PAGE, MS
Description	Recombinant Human MICA Protein is produced by our mammalian expression system and the target gene encoding Ala23-Glu308 is expressed with a Fc tag at the C-terminus.		
Form	Lyophilized from a 0.2 μM filtered solution of PBS, pH 7.4.		
Gene Symbol	MICA		
Alternative Names	PERB11.1; MHC class I polypeptide-related sequence A; MIC-A		
Entrez Gene	100507436 (Human)		
SwissProt	Q29983 (Human)		
Purity	Greater than 95% as determined by reducing SDS-PAGE.		
Chemical Structure	AEPHSLRYNL TVLSWDGSVQ SGFLTEVHLD GQPFLRCDRQ KCRAKPQGQW AEDVLGNKTW DRETRDLTGN GKDLRMTLAH IKDQKEGLHS LQEIRVCEIH EDNSTRSSQH FYYDGELFLS QNLETEEWTM PQSSRAQTLA MNVRNFLKED AMKTKTHYHA MHADCLQELR RYLKSGVVLR RTVPPMVNVT RSEASEGNIT VTCRASGFYP WNITLSWRQD GVSLSHDTQQ WGDVLPDGNG TYQTWVATRI CQGEEQRFTC YMEHSGNHST HPVPSGKVLV LQSHWQVDDI EGRMDEPKSC DKTHTCPPCP APELLGGPSV FLFPPKPKDT LMISRTPEVT CVVVDVSHED PEVKFNWYVD GVEVHNAKTK PREEQYNSTY RVVSVLTVLH QDWLNGKEYK CKVSNKALPA PIEKTISKAK GQPREPQVYT LPPSREEMTK NQVSLTCLVK GFYPSDIAVE WESNGQPENN YKTTPPVLDS DGSFFLYSKL TVDKSRWQQG NVFSCSVMHE ALHNHYTQKS LSLSPGK		
Quality Control	Endotoxin: Less than 0.1 ng/μg (1 IEU/μg) as determined by LAL test.		
Directions for Use	Always centrifuge tubes before opening. Do not mix by vortex or pipetting. It is not		
Application key: E- ELISA, WB- Western blot, IH- Immunohistochemistry, IF- Immunofluorescence, FC- Flow cytometry, IC- Immunocytochemistry, IP- Immunoprecipitation, ChIP- Chromatin Immunoprecipitation, EMSA- Electrophoretic Mobility Shift Assay, BL- Blocking, SE- Sandwich ELISA, CBE- Cell-based ELISA, RNAi- RNA interference			
Species reactivity key: H- Human, M- Mouse, R- Rat, B- Bovine, C- Chicken, D- Dog, G- Goat, Mk- Monkey, P- Pig, Rb- Rabbit, S- Sheep, Z- Zebrafish			

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recommended to reconstitute to a concentration less than 100 µg/ml. Dissolve the lyophilized protein in 1X PBS. Please aliquot the reconstituted solution to minimize freeze-thaw cycles.

Storage/Stability

Lyophilized protein should be stored at -20°C, though stable at room temperature for 3 weeks. Reconstituted protein solution can be stored at 2-8°C for 2-7 days. Aliquots of reconstituted samples are stable at -20°C for 3 months.

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