Mammaglobin A (Fc Chimera) Human HEK293

Product Data Sheet

Type: Recombinant
Source: HEK293
Species: Human
Other names: Mammaglobin-1, Secretoglobin family 2A member 2, SCGB2A2, MGB1, UGB2

Cat. No.:
RD172188100-HEK (0.1 mg)

Description

Total 321 AA. MW: 36.3 kDa (calculated). UniProtKB acc. No. Q13296 (Gly19-Phe93). C-terminal linker (2 extra AA), TEV site (7 AA), Hu-IgG1 fragment (Pro100-Lys330, 231 AA) and C-terminal His-tag (6 AA). Protein identity confirmed by LC-MS/MS.

Research topic

Oncology

Amino Acid Sequence

GSGCPLLENV ISKTINPQVS KTEYKELLQE FIDDNATTNA IDELKECFLN QTDETLSNVE VFMQLIYDSS LCDLF **KLENL**
YFQGPKSCDK THTCPPCPAP ELLGGPSVFL FPPKPKDTLM ISRTPEVTCV VVDVSHEDPE VKFNWYVDGV EVHNAKTKPR
EEQYNSTYRV VSVLTVLHQD WLNGKEYKCK VSNKALPAPI EKTISKAKGQ PREPQVYTLP PSRDELTKNQ VSLTCLVKGF
YPSDIAVEWE SNGQPENNYK TTPPVLDSDG SFFLYSKLTV DKSRWQQGNV FSCSVMHEAL HNHYTQKSLS LSPGKHHHHH H

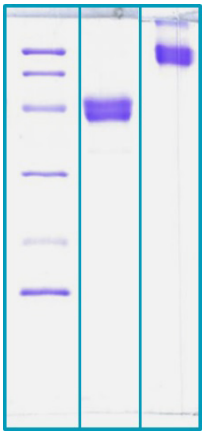
Source

HEK293

Purity

Purity as determined by densitometric image analysis: > 95 %

SDS-PAGE gel



14 % SDS-PAGE separation of Human Mammaglobin A (FcIgG):
1. M.W. marker - 14, 21, 31, 45, 66, 97 kDa
2. Reduced and boiled sample, 2.5 μg/lane
3. Non-reduced and non-boiled sample, 2.5 μg/lane

Endotoxin

< 1.0 EU/μg

Formulation

Filtered (0.4 μm) and lyophilized from 0.5 mg/ml solution in phosphate buffered saline, 5% w/v trehalose pH 7.4

Reconstitution

Add deionized water to prepare a working stock solution of approximately 0.5 mg/ml and let the lyophilized pellet dissolve completely. Filter sterilize your culture media/working solutions containing this non-sterile product before using in cell culture.

Shipping

At ambient temperature. Upon receipt, store the product at the temperature recommended below.

Storage, Stability/Shelf Life

Store the lyophilized protein at -80 °C. Lyophilized protein remains stable until the expiry date when stored at -80 °C. Aliquot reconstituted protein to avoid repeated freezing/thawing cycles and store at -80 °C for long term storage. Reconstituted protein can be stored at 4 °C for 5 days.

Quality Control Test

BCA to determine quantity of the protein.
SDS-PAGE to determine purity of the protein.
LAL TEST to determine endotoxin level.

Applications

Cell culture and/or animal studies, ELISA, Western blotting

Note

This product is intended for research use only.

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