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## Product Datasheet

### **SARS-CoV-2 Spike P681H Antibody [7A4D12](Alpha, Mu Variant), Mouse, Monoclonal ABT-ASC12232**

Article Name	SARS-CoV-2 Spike P681H Antibody [7A4D12](Alpha, Mu Variant), Mouse, Monoclonal
Biozol Catalog Number	ABT-ASC12232
Supplier Catalog Number	ASC12232
Alternative Catalog Number	ABT-ASC12232-0.1MG
Manufacturer	Abcepta
Host	Mouse
Category	Antikörper
Application	ELISA, WB
Product Description	In September of 2020 a new lineage of SARS-CoV-2, known as B.1.1.7 and named as Alpha variant, was discovered in the United Kingdom. This lineage was found to have developed 14 lineage-specific amino acid replacements and 3 deletions prior to its dis...
Clonality	Monoclonal
Molecular Weight	141178
NCBI	<a href="#">43740568</a>
UniProt	<a href="#">P0DTC2</a>
Buffer	SARS-CoV-2 (COVID-19) P681H Mutant Specific Spike antibody is supplied in PBS containing 0.02% sodium azide.

Purity	SARS-CoV-2 (COVID-19) Alpha Variant (B.1.1.7, UK) Spike P681H Antibody is affinity chromatography purified via peptide column.
Target	May cross-react with several virus of interest (VOI) variant lineages that contains P681H mutation, including B.11.318, B.1.621, B.1.621.1, P.3. But all of these lineages are rarely present in current pandemic.
Antibody Type	Monoclonal Antibody
Application Notes	WB: 1 µg/mL. Antibody validated: Western Blot in human samples. Anti-SARS-CoV-2 (COVID-19) P681H Mutant Specific Spike antibody can specifically detect SARS-CoV-2 Alpha Variant (B.1.1.7, UK) S1 protein, but not SARS-CoV-2 WT Spike S1 protein by ELISA and WB. It can also detect mutant peptide (681H), but not WT peptide (681P). All other applications and species not yet tested.