

Epitope # 1135(Ver.2019)

Sequence	Start	End	SeqName	ID #	Epitope ID	Internal ID	TYPE	Method	PubMed	Description	Description2	Original RE F	OtherProtACC	TAXID	Category
DNFAVVKRAREERFE	377	391	Ana o 2.0101 QBQ2P6	EP00010	R00056.0	L	SPOT-method	1455856				25991543 AF453947		171929	Food,Plant
AREERFWEFSKTNQ	385	399	Ana o 2.0101 QBQ2P6	EP00010	R00056.0	L	SPOT-method	1455856				25991543 AF453947		171929	Food,Plant
PEVLANAFQSRRED	417	431	Ana o 2.0101 QBQ2P6	EP00010	R00056.0	L	SPOT-method	1455856				25991543 AF453947		171929	Food,Plant
FGSRREDARQDFNN	425	439	Ana o 2.0101 QBQ2P6	EP00010	R00056.0	L	SPOT-method	1455856		Strongly reacting epitope		25991543 AF453947		171929	Food,Plant
MSWGAYV	1	7	Hel a 2.0101 OB1982	EP00011	R00661.0	L	SPOT-method	1220287			Profilin (Pollen allergen Hel a 2(Allergen-Hel a 2)	3581965 Y15210		4232	Aero,Plant
FPQFKPEE	41	48	Hel a 2.0101 OB1982	EP00011	R00661.0	L	SPOT-method	1220287			Profilin (Pollen allergen Hel a 2(Allergen-Hel a 2)	3581965 Y15210		4232	Aero,Plant
SGAMMGYD	100	108	Hel a 2.0101 OB1982	EP00011	R00661.0	L	SPOT-method	1220287			Profilin (Pollen allergen Hel a 2(Allergen-Hel a 2)	3581965 Y15210		4232	Aero,Plant
YDEPVAPG	108	115	Hel a 2.0101 OB1982	EP00011	R00661.0	L	SPOT-method	1220287			Profilin (Pollen allergen Hel a 2(Allergen-Hel a 2)	3581965 Y15210		4232	Aero,Plant
VERLGDY	121	127	Hel a 2.0101 OB1982	EP00011	R00661.0	L	SPOT-method	1220287			Profilin (Pollen allergen Hel a 2(Allergen-Hel a 2)	3581965 Y15210		4232	Aero,Plant
AVADYTPKGL	295	274	Pen c ?	EP00012	A00007.0	L	Monoclonalantibody binding	11984171						5076	Aero,Fungi
SLSTWQSGSHATNHSQT	222	242	Pen c ?	EP00012	A00007.0	L	Monoclonalantibody binding	11984171						5076	Aero,Fungi
NDTGANNVHVDFEGRA	44	62	Pen c ?	EP00012	A00007.0	L	Monoclonalantibody binding	11984171		Strongly reacting epitope				5076	Aero,Fungi
RSNGSGTWSIDVYKQVE	106	122	Pen c ?	EP00012	A00007.0	L	Monoclonalantibody binding	11984171						5076	Aero,Fungi
KALISVATICTLTPSPS	275	288	Pen c ?	EP00012	A00007.0	L	Monoclonalantibody binding	11984171						5076	Aero,Fungi
DTPNLL	275	288	Pen c ?	EP00012	A00007.0	L	Monoclonalantibody binding	11984171						5076	Aero,Fungi
HNKSKDKGDKPKQDSV	128	158	Pen c ?	EP00012	A00007.0	L	Monoclonalantibody binding	11984171						5076	Aero,Fungi
HNKSLGGDSRHTLD	128	158	Pen c ?	EP00012	A00007.0	L	Monoclonalantibody binding	11984171						5076	Aero,Fungi
GVDAVIDTGANNKHVD	30	57	Pen c ?	EP00012	A00007.0	L	Monoclonalantibody binding	11984171		virtually the same and showed identical reactivity in all tests, they are considered as a single antibody-binding region.				5076	Aero,Fungi
FE	30	57	Pen c ?	EP00012	A00007.0	L	Monoclonalantibody binding	11984171		virtually the same and showed identical reactivity in all tests, they are considered as a single antibody-binding region.				5076	Aero,Fungi
SGEGVDAYVIDTGANNK	36	57	Pen c ?	EP00012	A00007.0	L	Monoclonalantibody binding	11984171		virtually the same and showed identical reactivity in all tests, they are considered as a single antibody-binding region.				5076	Aero,Fungi
HYDFE	36	57	Pen c ?	EP00012	A00007.0	L	Monoclonalantibody binding	11984171		virtually the same and showed identical reactivity in all tests, they are considered as a single antibody-binding region.				5076	Aero,Fungi
STLTOPSDTTPMLAWN	285	317	Pen c ?	EP00012	A00007.0	L	Monoclonalantibody binding	11984171						5076	Aero,Fungi
GGGSANVYKLAGDY	285	317	Pen c ?	EP00012	A00007.0	L	Monoclonalantibody binding	11984171						5076	Aero,Fungi
IFPQGDADDDGNGHGTH	85	89	Pen c ?	EP00012	A00007.0	L	Monoclonalantibody binding	11984171						5076	Aero,Fungi
CSGTAKG	85	89	Pen c ?	EP00012	A00007.0	L	Monoclonalantibody binding	11984171						5076	Aero,Fungi
GLGRGEEMEV	104	115	Aug r 1.0101 P61938	EP00013	R00722.0	L	SPOT-method	11799381		Amino acids shown in red are essential for IgE binding:GLGRGEEMEV	Albumin seed storage protein (EC009003)3EMBLA AB41308.1 (Flaps) Peptide lysine 1 (EC-4.2.2.3), Major pollen allergen Jun a 1(Allergen-Jun a 1)(Flaps: Precursor)	1794252 U66886		51240	Food,Plant
FSGNMNRKMP	71	83	Jun a 1	P61294	EP00014	R01420.0	L	SPOT-method	14563374		Peptide lysine 1 (EC-4.2.2.3), Major pollen allergen Jun a 1(Allergen-Jun a 1)(Flaps: Precursor)	9087152 PDB:1PX2			Aero,Plant
HNFGQPNAGGR	218	229	Jun a 1	P61294	EP00014	R01420.0	L	SPOT-method	14563374		Peptide lysine 1 (EC-4.2.2.3), Major pollen allergen Jun a 1(Allergen-Jun a 1)(Flaps: Precursor)	9087152 PDB:1PX2			Aero,Plant