

# ImmunoCAP ISAC<sub>E112i</sub> Chip

## Allergen Components

Allergen component	Allergen source common name	Latin name	Protein group
<b>Food allergens</b>			
Gal d 1	Egg white	<i>Gallus domesticus</i>	Ovomucoid
Gal d 2	Egg white	<i>Gallus domesticus</i>	Ovalbumin
Gal d 3	Egg white	<i>Gallus domesticus</i>	Conalbumin/Ovotransferrin
Gal d 5	Egg yolk/chicken meat	<i>Gallus domesticus</i>	Livetin/Serum albumin
Bos d 4	Cow's milk	<i>Bos domesticus</i>	Alpha-lactalbumin
Bos d 5	Cow's milk	<i>Bos domesticus</i>	Beta-lactoglobulin
Bos d 6	Cow's milk and meat	<i>Bos domesticus</i>	Serum albumin
Bos d 8	Cow's milk	<i>Bos domesticus</i>	Casein
Bos d lactoferrin	Cow's milk	<i>Bos domesticus</i>	Transferrin
Gad c 1	Cod	<i>Gadus callarias</i>	Parvalbumin
Pen m 1	Shrimp	<i>Penaeus monodon</i>	Tropomyosin
Pen m 2	Shrimp	<i>Penaeus monodon</i>	Arginine kinase
Pen m 4	Shrimp	<i>Penaeus monodon</i>	Sarcoplasmic Ca-binding protein
Ana o 2	Cashew nut	<i>Anacardium occidentale</i>	Storage protein, 11S globulin
Ana o 3	Cashew nut	<i>Anacardium occidentale</i>	Storage protein, 2S albumin
Ber e 1	Brazil nut	<i>Bertholletia excelsa</i>	Storage protein, 2S albumin
Cor a 1,0401	Hazelnut	<i>Corylus avellana</i>	PR-10 protein
Cor a 8	Hazelnut	<i>Corylus avellana</i>	Lipid transfer protein (nsLTP)
Cor a 9	Hazelnut	<i>Corylus avellana</i>	Storage protein, 11S globulin
Cor a 14	Hazelnut	<i>Corylus avellana</i>	Storage protein, 2S albumin
Jug r 1	Walnut	<i>Juglans regia</i>	Storage protein, 2S albumin
Jug r 3	Walnut	<i>Juglans regia</i>	Lipid transfer protein (nsLTP)
Ses i 1	Sesame seed	<i>Sesamum indicum</i>	Storage protein, 2S albumin
Ara h 1	Peanut	<i>Arachis hypogaea</i>	Storage protein, 7S globulin
Ara h 2	Peanut	<i>Arachis hypogaea</i>	Storage protein, 2S albumin
Ara h 3	Peanut	<i>Arachis hypogaea</i>	Storage protein, 11S globulin
Ara h 6	Peanut	<i>Arachis hypogaea</i>	Storage protein, 2S albumin
Ara h 8	Peanut	<i>Arachis hypogaea</i>	PR-10 protein
Ara h 9	Peanut	<i>Arachis hypogaea</i>	Lipid transfer protein (nsLTP)
Gly m 4	Soybean	<i>Glycine max</i>	PR-10 protein
Gly m 5	Soybean	<i>Glycine max</i>	Storage protein, Beta-conglycinin
Gly m 6	Soybean	<i>Glycine max</i>	Storage protein, Glycinin
Fag e 2	Buckwheat	<i>Fagopyrum esculentum</i>	Storage protein, 2S albumin
Tri a 14	Wheat	<i>Triticum aestivum</i>	Lipid transfer protein (nsLTP)
Tri a 19,0101	Wheat	<i>Triticum aestivum</i>	Omega-5 gliadin
Tri a a_TI	Wheat	<i>Triticum aestivum</i>	
Act d 1	Kiwi	<i>Actinidia deliciosa</i>	
Act d 2	Kiwi	<i>Actinidia deliciosa</i>	Thaumatococcal protein
Act d 5	Kiwi	<i>Actinidia deliciosa</i>	
Act d 8	Kiwi	<i>Actinidia deliciosa</i>	PR-10 protein
Api g 1	Celery	<i>Apium graveolens</i>	PR-10 protein
Mal d 1	Apple	<i>Malus domestica</i>	PR-10 protein
Pru p 1	Peach	<i>Prunus persica</i>	PR-10 protein
Pru p 3	Peach	<i>Prunus persica</i>	Lipid transfer protein (nsLTP)

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<b>Aeroallergens</b>			
Cyn d 1	Bermuda grass	<i>Cynodon dactylon</i>	Grass group 1
Phl p 1	Timothy grass	<i>Phleum pratense</i>	Grass group 1
Phl p 2	Timothy grass	<i>Phleum pratense</i>	Grass group 2
Phl p 4	Timothy grass	<i>Phleum pratense</i>	
Phl p 5	Timothy grass	<i>Phleum pratense</i>	Grass group 5
Phl p 6	Timothy grass	<i>Phleum pratense</i>	
Phl p 7	Timothy grass	<i>Phleum pratense</i>	Polcalcic
Phl p 11	Timothy grass	<i>Phleum pratense</i>	
Phl p 12	Timothy grass	<i>Phleum pratense</i>	Profilin
Aln g 1	Alder	<i>Alnus glutinosa</i>	PR-10 protein
Bet v 1	Birch	<i>Betula verrucosa</i>	PR-10 protein
Bet v 2	Birch	<i>Betula verrucosa</i>	Profilin
Bet v 4	Birch	<i>Betula verrucosa</i>	Polcalcic
Cor a 1.0101	Hazel pollen	<i>Corylus avellana</i>	PR-10 protein
Cry j 1	Japanese cedar	<i>Cryptomeria japonica</i>	
Cup a 1	Cypress	<i>Cupressus arizonica</i>	
Ole e 1	Olive	<i>Olea europaea</i>	
Ole e 7	Olive	<i>Olea europaea</i>	Lipid transfer protein (nsLTP)
Ole e 9	Olive	<i>Olea europaea</i>	
Pla a 1	Plane tree	<i>Platanus acerifolia</i>	
Pla a 3	Plane tree	<i>Platanus acerifolia</i>	Lipid transfer protein (nsLTP)
Amb a 1	Ragweed	<i>Ambrosia artemisiifolia</i>	
Art v 1	Mugwort	<i>Artemisia vulgaris</i>	
Art v 3	Mugwort	<i>Artemisia vulgaris</i>	Lipid transfer protein (nsLTP)
Che a 1	Goosefoot	<i>Chenopodium album</i>	
Mer a 1	Annual mercury	<i>Mercurialis annua</i>	Profilin
Par j 2	Wall pellitory	<i>Parietaria judaica</i>	Lipid transfer protein (nsLTP)
Pla l 1	Plantain (English)	<i>Plantago lanceolata</i>	
Sal k 1	Saltwort	<i>Salsola kali</i>	
Can f 1	Dog	<i>Canis familiaris</i>	Lipocalin
Can f 2	Dog	<i>Canis familiaris</i>	Lipocalin
Can f 3	Dog	<i>Canis familiaris</i>	Serum albumin
Can f 4	Dog	<i>Canis familiaris</i>	Lipocalin
Can f 5	Dog	<i>Canis familiaris</i>	Arginine esterase
Can f 6	Dog	<i>Canis familiaris</i>	Lipocalin
Equ c 1	Horse	<i>Equus caballus</i>	Lipocalin
Equ c 3	Horse	<i>Equus caballus</i>	Serum albumin
Fel d 1	Cat	<i>Felis domesticus</i>	Uteroglobin
Fel d 2	Cat	<i>Felis domesticus</i>	Serum albumin
Fel d 4	Cat	<i>Felis domesticus</i>	Lipocalin
Mus m 1	Mouse	<i>Mus musculus</i>	Lipocalin
Alt a 1	Alternaria	<i>Alternaria alternata</i>	
Alt a 6	Alternaria	<i>Alternaria alternata</i>	Enolase
Asp f 1	Aspergillus	<i>Aspergillus fumigatus</i>	
Asp f 3	Aspergillus	<i>Aspergillus fumigatus</i>	
Asp f 6	Aspergillus	<i>Aspergillus fumigatus</i>	Mn superoxide dismutase
Clas h 8	Cladosporium	<i>Cladosporium herbarum</i>	
Blo t 5	House dust mite	<i>Blomia tropicalis</i>	
Der f 1	House dust mite	<i>Dermatophagoides farinae</i>	
Der f 2	House dust mite	<i>Dermatophagoides farinae</i>	
Der p 1	House dust mite	<i>Dermatophagoides pteronyssinus</i>	
Der p 2	House dust mite	<i>Dermatophagoides pteronyssinus</i>	
Der p 10	House dust mite	<i>Dermatophagoides pteronyssinus</i>	Tropomyosin
Der p 23	House dust mite	<i>Dermatophagoides pteronyssinus</i>	Peritrophin-like protein
Lep d 2	Storage mite	<i>Lepidoglyphus destructor</i>	

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<b>Aeroallergens continued</b>			
Bla g 1	Cockroach	<i>Blattella germanica</i>	
Bla g 2	Cockroach	<i>Blattella germanica</i>	
Bla g 5	Cockroach	<i>Blattella germanica</i>	
Bla g 7	Cockroach	<i>Blattella germanica</i>	Tropomyosin
<b>Other</b>			
Ani s 1	Anisakis	<i>Anisakis simplex</i>	
Ani s 3	Anisakis	<i>Anisakis simplex</i>	Tropomyosin
Hev b 1	Latex	<i>Hevea brasiliensis</i>	
Hev b 3	Latex	<i>Hevea brasiliensis</i>	
Hev b 5	Latex	<i>Hevea brasiliensis</i>	
Hev b 6.01	Latex	<i>Hevea brasiliensis</i>	
Hev b 8	Latex	<i>Hevea brasiliensis</i>	Profilin
Gal-alpha-1,3-Gal	Alpha gal		Thryoglobulin
MUXF3	Sugar epitope from Bromelain		CCD-marker