



The Adhesion Molecule FactsBook

From Academic Press



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This updated and expanded Second Edition of **The Adhesion Molecule FactsBook** has nearly double the number of entries of the First Edition, and provides a compendium of the major cell surface adhesion molecules. The introductory chapters detail the organization of the data in the entries section, provide a background to the main adhesion molecule families, and inform the reader how to access information on adhesion molecules on the Internet.

The entries have been designed to allow the reader to quickly establish the main structure and functional features of each molecule and where to find information.

- alternative nomenclature
- tissue distribution and regulation of expression
- ligands
- gene organization and chromosomal location
- protein structure and molecular weights
- amino acid sequence of the most commonly studied organisms
- PIR, SWISSPROT, and EMBL/GenBank accession numbers
- biological function
- key references

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Editorial Review

Review

Praise for the First Edition

"This book constitutes a handy resource to be included in your library among the more-specialized books of adhesion receptors and adhesion molecules." --*IMMUNOLOGY TODAY*

From the Back Cover

How do you keep track of basic information on the proteins you work with? Where do you find details of their physicochemical properties, amino acid sequences, gene organization? Are you tired of scanning review articles, primary papers, and databases to locate that elusive fact?

The Academic Press FactsBook series has established itself as the best source of easily-accessible and accurate facts about protein groups. Described as "A growing series of excellent manuals" by *Molecular Medicine Today* and "Essential works of reference" by *Trends in Biochemical Sciences*, the FactsBooks have become the most popular comprehensive data resources. Using an easy-to-follow format, the new second editions will now keep you up-to-date with the latest advances, and provide you with all the new facts at your fingertips. Meticulously researched and compiled by experts in the field, keeping abreast of developments has never been so easy!

The Second Edition of *The Adhesion Molecule FactsBook* has been completely revised, updated, and expanded to reflect the advances made in the field since publication of the first edition. It contains over 80 entries (nearly twice the number of the previous edition) on all currently cloned and characterized cell adhesion molecules, including the families of

- integrins
- cadherins
- selectins
- members of the immunoglobulin superfamily
- syndecans
- and other relevant receptors

Provides information on:

- protein structure and molecular weights
- amino acid sequence of the most commonly studied organisms
- gene organization and chromosomal location
- alternative nomenclature
- ligands
- biological function
- tissue distribution
- disease association
- knockout mice
- database accession numbers
- key references

About the Author

Clare Isacke received her undergraduate degree in biochemistry in Oxford, her D.Phil. in Oxford working with John Heath and Chris Graham on growth control and differentiation of embryonal carcinoma cells. She worked as a postdoctoral fellow at the Salk Institute in La Jolla, California, with Tony Hunter and Ian Trowbridge on cell adhesion and tyrosine kinase receptors. She has been at Imperial College now for 10 years during which time the lab has been focussing on cell adhesion receptor. Isacke did a three-year stint in the Biochemistry Department at Imperial College setting up her own lab within the Colin Hopkins empire and then moved over to the Biology Department taking up a University-funded post.

Michael Horton trained in Biochemistry, Medicine and Haematology at St. Bartholomew's Hospital Medical College, London before research training in Immunology at University College, London. He has held senior appointments at St. Bartholomew's Hospital and with the Imperial Cancer Research Fund. He is currently Professor of Medicine and Head of the Bone and Mineral Center, University College, London. His research interests focus on the cell and molecular biology of bone, with a special interest in cell adhesion receptors, and in the development of novel therapeutics for bone disease.

Users Review

From reader reviews:

Margaret Clayton:

Book is written, printed, or outlined for everything. You can know everything you want by a reserve. Book has a different type. As it is known to us that book is important factor to bring us around the world. Next to that you can your reading skill was fluently. A publication The Adhesion Molecule FactsBook will make you to become smarter. You can feel considerably more confidence if you can know about almost everything. But some of you think that open or reading a new book make you bored. It's not make you fun. Why they could be thought like that? Have you looking for best book or ideal book with you?

Esta Banks:

The book untitled The Adhesion Molecule FactsBook is the book that recommended to you you just read. You can see the quality of the book content that will be shown to you. The language that creator use to explained their way of doing something is easily to understand. The writer was did a lot of research when write the book, and so the information that they share to you personally is absolutely accurate. You also could get the e-book of The Adhesion Molecule FactsBook from the publisher to make you considerably more enjoy free time.

Robert McKay:

The reason why? Because this The Adhesion Molecule FactsBook is an unordinary book that the inside of the e-book waiting for you to snap it but latter it will zap you with the secret the item inside. Reading this book close to it was fantastic author who all write the book in such awesome way makes the content interior easier to understand, entertaining way but still convey the meaning fully. So , it is good for you because of not hesitating having this any more or you going to regret it. This amazing book will give you a lot of advantages than the other book possess such as help improving your proficiency and your critical thinking technique. So , still want to hold off having that book? If I were being you I will go to the guide store

hurriedly.

Kristopher Lewis:

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